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September 18, 2017

VIA ELECTRONIC FILING

The Honorable Kimberly D. Bose
Secretary
Federal Energy Regulatory Commission
888 First Street, NE
Washington, DC 20426

Re: Midcontinent Independent System Operator, Inc. and PJM Interconnection, LLC,
Compliance Refund Report, Midcontinent Independent System Operator, Inc., *et al.*,
Docket Nos. ER05-6-118, ER10-2283-000, -001, EL04-135-120, EL02-111-139, and
EL03-212-134

Dear Secretary Bose:

Pursuant to the Notice of Extension of Time issued by the Federal Energy Regulatory Commission (“FERC” or “Commission”) on May 31, 2017, in the above-captioned proceedings, the Midcontinent Independent System Operator, Inc. (“MISO”) and PJM Interconnection, L.L.C. (“PJM”) (together “Regional Transmission Organizations” or “RTOs”) submit a refund report in satisfaction of prior Commission orders, also issued in the captioned proceedings.¹ The September 16 Order directs the RTOs to file “detailed reports...showing any and all refunds and/or surcharges, with interest” related to certain adjustments and corrections of the Seams Elimination Charge/Cost Adjustment/Assignment (“SECA”). The RTOs report that, except as set forth in part III below, they have implemented the directed SECA refunds and surcharges in the August billing cycle and, accordingly, submit the instant report, as more fully described below.

I. BACKGROUND

This case involves compliance filings by MISO and PJM to reflect certain adjustments and corrections to the lost revenues and calculations of the SECA.² On August 19, 2010, as amended on September 13, 2011, in Docket No. ER10-2283, MISO and the MISO Transmission Owners³ jointly submitted revised Schedules 21 and 22 of MISO’s Open Access Transmission,

¹ *Midwest Indep. Sys. Operator, Inc.*, 152 FERC ¶ 61,213 (2015) (“September 16 Order”).

² The September 16 Order provides an extensive discussion of SECA’s history and background, which is not restated here. *See* September 16 Order, PP 3-12.

³ The MISO Transmission Owners are listed in footnote 2 of the September 16 Order. *See* September 16 Order, P 1.

Energy and Operating Reserve Markets Tariff (“MISO Tariff”) in compliance with the Commission’s Order on Initial Decision⁴ adopting the SECA methodology, approving certain SECA settlements and addressing certain other related issues. Also on August 19, 2010, in Docket No. ER05-6-118, PJM and the PJM Transmission Owners Agreement Administrative Committee submitted revised Attachments R and X to the PJM Open Access Transmission Tariff (“PJM Tariff”) in compliance with the Order on Initial Decision. The September 16 Order accepted the compliance filings and ordered the RTOs to implement the SECA refunds/surcharges.

Most recently, on May 1, 2017, the RTOs filed a joint motion for an extension of 90 days to file the refund report as directed by the September 16 Order, as extended by Commission’s subsequent notice issued in November 2015.⁵ The RTOs explained they needed additional time to address the then-recent consolidation of the refund calculations into a single model, as well as the extensive verification process implemented by the RTOs to validate the nearly 2.5 million numbers included in the summary report, align the inputs with the more than 70 settlement agreements containing different terms and conditions, and reflect the current Load Serving Entities (“LSEs”). On May 31, 2017, the Commission granted the request and issued a Notice of Extension of Time to extend the deadline for the refund report to and including September 17, 2017.⁶

II. REFUND REPORT

This refund report contains three components: (1) a link to the SECA Refund Reporter file; (2) the SECA Refund Reporter User Guide; and (3) a chart reflecting SECA Settlements. These three components, taken together, describe the process for calculating the refunds/surcharges, the actual refund/surcharge amounts by entity, and the specific inputs for calculating the refunds/surcharges.

A. SECA Refund Reporter

The SECA Refund Reporter is an Excel spreadsheet with seven tabs, each summarizing the steps in calculating the SECA refunds to LSEs from Transmission Owners (“TOs”), and includes the final refund or surcharge amounts by entity. The Refund Reporter identifies the amount of SECA paid by an LSE in the 2004-06 transition period, subtracts its final SECA obligation under the September 16 Order, adjusts for Existing Transactions if any, adds interest, and accounts for LSE/TO settlements in order to determine the LSE’s refund or surcharge. The

⁴ *Midwest Indep. Transmission Sys. Operator, Inc.*, 131 FERC ¶ 61,173 (2010) (“Order on Initial Decision”), *order on reh’g*, 136 FERC ¶ 61,244 (2011), *aff’d sub nom. Constellation v. FERC*, No. 11-1451, 2015 WL 1546448 (D.C. Cir. April 9, 2015).

⁵ *Midwest Indep. Sys. Operator, Inc.*, Notice of Extension of Time, Docket Nos. ER05-6-118, *et al.* (unpublished) (Nov. 19, 2015).

⁶ *Midwest Indep. Sys. Operator, Inc.*, Notice of Extension of Time, Docket Nos. ER05-6-118, *et al.* (unpublished) (May 31, 2017). Because September 17, 2017, fell on a Sunday, the RTOs file this refund report today. *See* 18 C.F.R. § 385.2007(a)(2) (2018).

data for amounts paid in 2004-06 has been provided by PJM and MISO. The data for amounts owed under the September 16 Order is taken from the 2010 Compliance Filings of the PJM TOs and MISO TOs. The interest charges from 2004-06 through August 2017 have been provided by PJM and MISO.

The Refund Reporter is available at the following links:

On the MISO webpage: [2017-09-18 Docket No. ER10-2283 SECA Refund Reporter](#)

On the PJM webpage: <http://www.pjm.com/markets-and-operations/billing-settlements-and-credit.aspx>

B. SECA Refund Reporter User Guide

The SECA Refund Reporter User Guide is a user handbook designed to explain the format and content of the Refund Reporter, its data sources, and provide guidance on how to use the Refund Reporter itself. The first section of the User Guide describes in detail all of the data sources and the process the RTOs undertook to validate the data and associated inputs, all in accordance with the applicable tariff requirements for each RTO. Additionally, the User Guide includes a description of the layout of the Refund Reporter. This includes descriptions about the designations of the columns and rows, as well as sign conventions used in the Refund Reporter, and the key components of the refund calculations. Lastly, the User Guide also contains information for users on how to navigate the Refund Reporter. It describes filtering functions available in the Refund Reporter, as well as the relationship between the various worksheets and pivot table functions.

The Refund Reporter User Guide is included in this refund report at Attachment A.

C. Chart of Commission-Approved SECA Settlement Agreements

A key input to the refund calculations is the representation of all settlement agreements that have occurred among various TOs and LSEs. The Refund Reporter includes over 70 SECA FERC-approved settlement agreements, each with varying terms and conditions. These settlement agreements affect approximately 20,000 LSE/TO pairs. The RTOs have prepared a reference chart listing each settlement agreement, as well as the date of the filed agreement, the filing parties, a short description of the settlement, and the date of the FERC action, as well as a link to the settlement documents in the FERC eLibrary system.

The full list of these approved settlement agreements is attached at Attachment B.

III. NON-VIABLE ENTITIES

As noted above, the refunds/surcharges as described in the Refund Reporter were included in the August billing cycle for both RTOs. However, several LSEs on the MISO side are considered non-viable. These entities are described in the SECA Refund Reporter at pages 3-

4. MISO has engaged in significant due diligence to make contact with these entities. To the extent MISO locates accurate contact information, receives a reply and accurate banking information for these entities, it will include these entities in the next available billing cycle. MISO commits to update the Commission on these entities as they are included in MISO's future billings.

IV. NOTICE AND SERVICE

A copy of this refund report is being served up on the service lists in Docket Nos. ER05-6-118, ER10-2283-000, -001, EL04-135-120, EL02-111-139, and EL03-212-134.

MISO has served a copy of this filing electronically, including attachments, upon all Tariff Customers, MISO Members, Member representatives of Transmission Owners and Non-Transmission Owners, as well as all state commissions within the region.

The filing has been posted electronically on MISO's website at <https://www.misoenergy.org/Library/FERCFilingsOrders/Pages/FERCFilings.aspx> for other parties interested in this matter.

PJM has served a copy of this filing on all PJM Members and on all state utility regulatory commissions in the PJM Region by posting this filing electronically. In accordance with the Commission's regulations,⁷ PJM will post a copy of this filing to the FERC filings section of its internet site, located at the following link: <http://www.pjm.com/documents/ferc-manuals/ferc-filings.aspx> with a specific link to the newly-filed document, and will send an e-mail on the same date as this filing to all PJM Members and all state utility regulatory commissions in the PJM Region⁸ alerting them this filing has been made by PJM and is available by following such link. If the document is not immediately available by using the referenced link, the document will be available through the referenced link within 24 hours of the filing. Also, a copy of this filing will be available on the FERC's eLibrary website located at the following link: <http://www.ferc.gov/docs-filing/elibrary.asp> in accordance with the Commission's regulations and Order No. 714.

⁷ See 18C.F.R §§ 35.2(e) and 385.2010(f)(3).

⁸ PJM already maintains, updates and regularly uses e-mail lists for all PJM Members and affected state commissions.

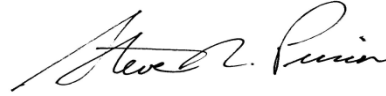
Please contact us with any questions related to this refund report.

Respectfully submitted,



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User Guide

SECA Refund Reporter

The Seams Elimination Charge/Cost Adjustment/Assignment (“SECA”) Refund Reporter 9-15-17 (Reporter) is an Excel spreadsheet with seven tabs summarizing the steps in calculating the SECA refunds to Load Serving Entities (LSEs) from Transmission Owners (TOs). This User Guide not only describes the Reporter and its data sources, but also explains how to use it.

Description

The Reporter identifies the amount of SECA paid by an LSE in the 2004-06 transition period, subtracts its final SECA obligation under the September 16, 2015 Federal Energy Regulatory Commission (“FERC”) Compliance Order, adjusts for Existing Transactions if any, adds interest, and accounts for LSE/TO settlements in order to determine the LSE’s refund or surcharge. The data for amounts paid in 2004-06 has been provided by PJM Interconnection, L.L.C. and Midcontinent Independent System Operator, Inc. (“MISO”). The data for amounts owed under the 2015 Compliance Order is taken from the 2010 Compliance Filings of the PJM TOs and MISO TOs both submitted on August 19, 2010. The MISO TOs filed an amendment to its 2010 Compliance Filing on September 13, 2011. The interest charges from 2004-06 through August 2017 have been provided by PJM and MISO.

In PJM, the SECA charge that LSEs paid in 2004-06 was based on a SECA rate (in \$/MW-mo.), which was multiplied by the LSE’s 1-CP load. Since the 2004-06 transition period, these SECA rates have been adjusted for corrections in conjunction with the 2006 FERC hearing on this matter and have been modified by FERC in its May 21, 2010 Order on Initial Decision. The new SECA rates were included in the PJM TO’s 2010 Compliance Filing submitted on August 19, 2010. To directly calculate the amounts owed by PJM LSEs upon compliance, one would multiply the new compliance rate by each LSE’s 1-CP load. Due to the passage of time, PJM does not have 1-CP load information, but it does have the amounts paid by each LSE, which can be used to calculate each PJM LSE’s SECA obligation upon compliance. Since all PJM LSEs within the same subzone paid the same SECA rate, and since the 2010 SECA obligation for each subzone is known from the PJM TO’s August 19, 2010 SECA Compliance filing, the obligation of each LSE in a subzone can be calculated as its payment-ratio share of the total subzone obligation. Ratios of payments made will equal the ratios of load because all LSEs in a subzone paid the same rate, and so a payment-ratio share will equal a load-ratio share, as a general matter. Accordingly, a payment-ratio approach has been used to calculate the SECA obligations of PJM LSEs.

In addition, a review was performed to determine and account for any load shifts from one subzone to another during the 16-month transition period in 2004-06. Each PJM subzone was checked for such inaccuracies, and only two instances were found that needed correction. First, in the American Electric Power (AEP) zone, load shifted from the Retail Choice subzone to the AEP subzone as evidenced by a steady decline in the amounts paid by the Retail Choice subzone. The loss of load was estimated from the payment data, and the associated loss of SECA obligation was subtracted from the Retail Choice subzone and added to the SECA obligation of the AEP LSE in the AEP subzone at the appropriate SECA rates. Second, in the Commonwealth Edison (CE) zone, the Batavia and St. Charles subzone loads were bundled into the CE subzone by PJM in June 2005. The associated obligation was deducted from the Batavia and St. Charles subzones and added to the CE LSE in the CE subzone at the appropriate SECA rates.

In all other PJM subzones, no corrections were needed. In the PJM Classic¹ and Allegheny Power footprint, there was substantial shifting of retail 1-CP load, but all such load paid the same SECA rate and so payment-ratios equaled load-ratios throughout the footprint and no correction was needed. In the Dayton Power & Light Company and Dominion Virginia Power zones, no shifts occurred. In the Duquesne zone, any load shifts were accounted for by Duquesne's consultant and are included in the Reporter.

In MISO, the SECA charge was assessed as a flat charge, not based on load, for defined subzones. Because of this, there was no need to analyze load shifting from one subzone to another, unlike PJM. MISO LSEs that were not defined subzones were assessed a Variable Charge based on the generally applicable zonal rate and are addressed separately in this Refund Reporter.

While inter-subzonal load shifts were not an issue for MISO, load was shifted within certain MISO subzones from one LSE to another, in accordance with the May 21, 2010 FERC Order on Initial Decision. These shift-to-shipper and replacement supplier instances required separate consideration.

There were four FERC-approved shift-to shipper cases:

Green Mountain Energy Company to FirstEnergy Service Company in the FE zone for the last three months of the transition period,

Wisconsin Public Service Corporation to FirstEnergy Service Company in the FE zone,

Quest Energy LLC to The Detroit Edison Company in the ITC zone, and

CMS ERM to a list of 10 suppliers in the ITC zone.

There were two instances of FERC-approved replacement suppliers:

Michigan South Central Power Agency was replaced by Constellation Energy Commodities Group, Inc. in the METC zone, and

The group of 6-Cities (City of Bay City, City of Eaton Rapids, City of Portland, City of St. Louis, Hart Hydro Electric and Chelsea Village Offices) was replaced by Constellation Energy Commodities Group, Inc. in the METC zone for the first four months of the transition period. Constellation itself was originally billed by MISO on behalf of the 6 Cities for the last 12 months of the transition period and so no shift/replacement took place during that period.

In all of these cases, an originally-billed LSE shifted some or all of its SECA obligation to a second LSE (or a list of ten LSEs in the CMS ERM case). The refund due to the original LSE has two parts: That from the transmission owners because of their rate reductions ordered by FERC; and that from the second LSE(s) because of the shift/replacement ordered by FERC. In the absence of any settlements, the original LSE would receive both parts of its refund, which would be paid by the transmission owners (first part) and the second LSE(s) (second part). However, settlements may eliminate one or both of these refund parts depending on the settlement terms, and must be considered on a case-by-case basis. The resulting refunds are shown in the SECA Refund Reporter. Briefly, these results are:

¹ The PJM Classic Transmission Owners are Atlantic City Electric, Baltimore Gas & Electric, Delmarva Power & Light, Metropolitan Edison Company, Jersey Central Power & Light, Pennsylvania Electric Company, PECO Energy Company, Potomac Electric Power Company, PPL Group, and Public Service Electric & Gas Company.

Green Mountain/First Energy has been mostly settled except for some small surcharges owed to certain Classic PJM transmission owners, Allegheny, and Dominion.

Wisconsin Public Service/First Energy and Quest/Detroit Edison has been settled completely in settlements between Quest and the transmission owners,

CMS ERM/List-of-ten suppliers has not been settled and CMS ERM is due to receive 100% of its refund (both the TO and shift portions). Settlements between the transmission owners and any of the 10 replacement suppliers relieve the replacement supplier from having to pay the calculated surcharge and the transmission owner will refund both parts of the refund to CMS ERM in those cases.

MSCPA/Constellation has not been settled and MSCPA is due to receive 100% of its refund (both the TO and shift portions). There were no settlements between MSCPA and Constellation, and also no settlements between Constellation and any of the relevant transmission owners, so the issue of how to separate the TO and shift portions of the MSCPA refund were moot.

6-Cities/Constellation is only partially covered by settlements—those between the 6-Cities and the relevant transmission owners. There were no settlements between Constellation and 6-Cities, nor between Constellation and the relevant transmission owners. Accordingly, the TO portion of the 6-Cities refund for the first four months of the transition period (the replacement period) is considered to be settled, but the surcharge owed by Constellation to the 6-Cities for this period has not been settled and is shown in the Reporter to be processed as part of this Refund Report. In addition, Constellation is due a refund from the transmission owners for the last 12 months of the transition period (when there was no shift/replacement), which is included as part of the 16-month total refund/surcharges that are shown in the Reporter.

Layout of the Reporter

In the various tabs of the Reporter, the LSEs are listed in rows and TOs are listed in columns. The sign convention is that a positive number in a cell is a refund to the LSE named in the row from the TO named in the column. A negative number is an LSE's surcharge.

The SECA Refund calculations have three main components: (1) Refunds/surcharges to LSEs from TOs, (2) Refunds/surcharges of MISO Variable Charges to MISO LSEs from PJM TOs; and (3) Refunds to PJM Firm Transmission Customers from Allegheny Power and the PJM Classic TOs. Each of these three main components has its own separate Reporter tab showing the various steps in its refund calculation. In addition to these three component Reporter tabs, the spreadsheet has three summary tabs, and a Settlements Indicator tab that gives the settlement reference number in any LSE/TO cell that is covered/included under a FERC-approved settlement. Each of these tabs is described as follows:

PT Summary Non-Viable tab:

This is an active Pivot Table² showing the same information for Non-viable LSEs (those that are not participating in the initial refund process incorporated into the MISO and PJM customer invoices for the August, 2017 billing period) as the next tab shows for the Viable LSEs. There are

² An Excel tool that allows selected columns and rows of data in a spreadsheet to be reorganized and summarized to obtain a desired report.

29 LSEs that were identified by MISO and PJM as Non-viable. These will be addressed on a case-by-case basis later as needed information becomes available:

The 6 Cities (City of Bay City, City of Eaton Rapids, City of Portland, City of St. Louis, Hart Hydro Electric and Chelsea Village Offices) did not have valid NERC IDs and could not be processed by MISO. The 6 Cities shifted their SECA obligation to Constellation Energy Commodities Group, Inc., and as a consequence, this group of seven (6 Cities plus Constellation's shift) will be addressed by MISO in the next billing cycle.

An additional 13 LSEs also lacked valid NERC IDs and also are likely to be resolved by MISO in its next billing cycle: Allegheny Energy Supply Company, LLC, Borough of Zelienople, Central Wisconsin Electric Cooperative, Dominion Retail, Inc., Duke Energy Trading and Marketing, Independence Light & Power, Telecommunications, Kiel Electric Utility, Mirant, Mirant/Mirant Americas, Rock County Electric Cooperative Assn., Stratford Water & Electric, Washington Island Electric Cooperative, Inc. and Wayne-White Counties Electric Cooperative.

Five MISO LSEs that lack valid NERC IDs most likely have gone out of business and consequently MISO will not be able to process their refunds/surcharges: Commerce Energy Inc., Energy International Power Marketing, Nordic Marketing L.L.C., Nordic Marketing Of Michigan, L.L.C. and Premier Energy Marketing LLC. It should be noted that the two Nordic companies had obtained SECA relief from FERC and had negotiated settlements with some, but not all, of the transmission owners.

Three MISO LSEs were out of business prior to the 2004-06 transition period and were never invoiced by MISO: Nicor Energy, L.L.C, Engage Energy America, LLC, and The New Power Company.

Ormet Primary Aluminum Company, a PJM LSE that had obtained SECA relief from FERC and had negotiated settlements with some, but not all, of the transmission owners is now out of business and its surcharge cannot be processed by PJM.

PT Summary Viable tab:

This is an active Pivot Table that summarizes (aggregates) the three types of unsettled refunds for each viable LSE (i.e., those LSEs able to participate in the initial refund process). Above the Pivot Table proper, in Rows 2 -5, is an overall summary. The overall summary has the PJM TO/TO revenue redistribution (associated with the MISO variable charge refunds) in Row 3. This is a redistribution of dollars among the PJM TOs that is necessary in order to accurately distribute SECA revenue among the PJM TOs. This step, internal to the PJM TOs with no impact on LSE refunds, cannot be displayed in the Pivot Table because it is a TO/TO redistribution, as opposed to the LSE/TO refunds that are shown in the Pivot Table. The bottom line of the LSE/TO refunds from the Pivot Table is shown in Row 4, and the total of Rows 3 and 4 is in Row 5, and is the total amount of refunds owed by a TO to all of the LSEs and PJM Firm Transmission Customers.

This PT Summary tab is set up to help inform PJM and MISO as to the total amounts to be invoiced to all of their respective TOs and LSEs.

For PJM, the amounts to be invoiced to the PJM TOs is shown in Row 5, and includes the total amounts needed for LSE/TO refunds and for the TO/TO redistribution. The amounts to be

refunded to PJM LSEs are shown in Column AV for the LSE Rows 15 to 288, which are the rows with numerical PJM Org IDs (PJM customer account numbers) in Column A.

For MISO, the amounts to be invoiced to the MISO TOs are shown in Row 5, which is the same as the bottom line of the LSE/TO Pivot Table. The amounts to be refunded to MISO LSEs are shown in Column AV for the LSE Rows 289 to 401, which are the rows with the alpha NERC IDs (MISO customer account identifiers) in Column A.

This Pivot Table is active and its data source is the third tab, Summary Refund Reporter. It is filtered in Row 11, Column B so as to include only those Viable LSEs that have been coded as participating in the combined PJM/MISO Refund Process, i.e., those LSEs identified by PJM and MISO as being able to receive refunds and/or pay surcharges. These are identified as having an Agg Code of "1" (Row 11, Column B).

Summary Refund Reporter tab:

This tab has the 16-month total unsettled refunds shown separately for each of its three main components (LSE refunds, Variable Charge refunds and PJM Firm Transmission Customer refunds) for all LSEs and TOs. The information is stacked by component—564 rows of LSE Refunds, followed by 95 rows of Variable Charge refunds, and then 242 rows of FTC refunds. Each LSE row in Columns A through G shows the Category of refund, Group, Zone, Subzone, Customer name, Org or NERC ID, and Aggregation Code (Agg Code). The Reporter can be filtered to show subsets of rows by using the drop down filters in Row 6.

At the bottom of this table are some aggregated summaries of this data. The first box in Rows 918 to 925 shows the totals for the Viable LSEs (Agg Code = 1) broken down by category and LSE grouping (PJM and MISO). The second box shows the same information for the Non-viable LSEs (Agg code = 0). These LSEs are Engage Energy, Nicor Energy, New Power Company, Ormet and 25 other MISO LSEs.

Rows 936 to 945 show a condensed summary by RTO (PJM and MISO) for the Viable LSEs.

LSE Refund Reporter tab:

This tab has the 16-month total and also the month-by-month unsettled refunds for each LSE broken down by TO. These are the PJM LSE refunds and the MISO LSE refunds for flat charges. The MISO LSE refunds for Variable Charges are addressed separately in the next tab. Because monthly data are reported here, this tab has 509 columns. The first 393 columns show the monthly data for the PJM TO columns, while the next 116 columns show the 16-month totals and the 4 rate periods for the individual MISO TOs. It is necessary to report monthly data for the PJM TOs because the TO distribution changes in each month. The MISO TO data are reported by rate period because the MISO TO distribution changes only for those four periods.

The LSE Refund Reporter has 564 rows for LSEs that conducted business in any zone or subzone. The refunds for these LSEs are calculated in a series of 8 sequential steps. Those steps are calculated in a larger Refund Matrix model and the step-by-step results are stacked and reported here. The steps, each with 564 rows, are identified in Column A as 1-Paid, 2-Owed, and so on. The steps are:

Amount Paid: The monthly amount reported as being paid in 2004-2006 by PJM and MISO. This is broken down by TO using distribution factors. For the PJM TOs, these are

the 2004-06 SECA distribution factors. For the MISO TOs, these factors are based on transmission revenue requirements.

Amount Owed: The monthly amount owed by the LSE to the TO under the 2015 FERC Compliance Order. The SECA obligation of a subzone to each individual PJM TO is known from the PJM TO's 2010 Compliance filing. For PJM subzones with more than one LSE, this subzone obligation is broken down by LSE using load-ratio distribution factors based on amounts paid. Such a break down is not needed for MISO subzones, which typically have only one LSE.

Existing Transaction Adjustment: This is an adjustment that is made only for LSEs who had 100% of their SECA obligation covered by Existing Transactions (ETs). This is not the dollar amount of ETs, but rather an adjustment needed because of ETs. LSEs with 100% ET coverage did not pay for any SECA obligations in 2004 – 2006 and are due no refund. The initial step in calculating the refund is to subtract the amount owed from the amount paid, generally speaking. That difference, Paid minus Owed, is calculated in the next step, and for LSEs with no or partial ET coverage that difference is correct. But for 100% coverage LSEs, that difference is not correct and needs an adjustment. The ET Adjustment that is shown in this table provides the correction needed so that the adjusted amount of Paid minus Owed is equal to zero for these 100% ET coverage LSEs.

ET Adj Paid – Owed: This is Paid minus Owed, as adjusted by the step above. This is the refund principal before interest for each LSE/TO.

Interest: This is the FERC interest owed on the refund calculated from the LSE's original payment date through August 2017 (the refund date).

Refund before Settlement: This is the principle plus interest for each refund, before any consideration of LSE/TO FERC-approved settlements.

LSE Refund: For the MISO TOs, AEP, CE, Dayton, DLCO and Dominion, this is simply the same as the previous step, i.e., the refund before settlement. For Allegheny and the Classic PJM TOs, however, this is the LSE portion of the above step after having subtracted out the portion that is due to PJM Firm Transmission Customers. The FTC portion is then treated separately and is not included in this LSE Refund Reporter.

LSE Unsettled Refund: This is the refund remaining after consideration of LSE/TO FERC-approved settlements. If an LSE/TO cell is covered by such a settlement that settled all SECA obligations between the LSE(s) and the TO(s), the value in that cell is set to zero. Otherwise, the calculated refund value remains as a refund that must be addressed in the refund process.

This tab also has month-by-month amounts for each RTO (i.e., summed over each RTO's TOs for each month), which are shown in Columns SW through UE. These can be viewed on screen by clicking on the column compression/expansion button in the upper left hand corner of the tab. Clicking on the number 1 button will compress the columns preceding Column SW and allow Columns SW through UE to be more easily viewed. This view may be helpful to LSEs who would like to check/confirm its 2004-2006 SECA payments made to PJM and/or MISO, as reported by the two RTOs.

Variable Charge Refund Reporter tab:

This is the Reporter tab for the MISO Variable Charges and is similar in all respects to the LSE Refund Reporter tab described above, with one exception. The exception is that no ET Credits were used by MISO LSEs in lieu of Variable Charges. So, there are 7 (instead of 8) sequential steps in calculating the Variable Charge refunds, including the separation of Firm Transmission Customer refunds from LSE refunds for Allegheny and the Classic PJM TOs. This tab can be filtered in the same way as the LSE Refund Reporter tab.

FTC Refund Reporter tab:

This is the Reporter tab for PJM Firm Transmission Customer (FTC) refunds. This category of refunds does not lend itself to the multi-step sequential analysis in the previous two tabs. The refunds due to PJM FTCs are a byproduct from the LSE/FTC separation step in those two previous analyses. The first step in this FTC Refund Reporter tab combines those two results and distributes that revenue to the 242 FTCs identified by PJM. The second step eliminates the FTC refund for any FTC/TO cell covered by a FERC-approved settlement. Filtered subtotals are available at the bottom of the tab.

PJM-MISO Settlement Indicator tab:

This tab provides a citation in each LSE/TO cell to any pertinent FERC-approved settlement that settled all SECA obligations between the LSE(S) and the TO(s). If a cell has a citation, the refund for that LSE/TO cell is eliminated. If the cell is blank, the refund is included in the PJM/MISO refund process. The settlement citations are listed in a separate SECA Settlements Chart. For example, a cell with an "S5" citation refers to Settlement No. 5 in the SECA Settlements Chart.

How to Use the Refund Reporter

For LSEs using this SECA Refund Reporter, first go to the PT Summary tab and find the LSE Name or ID (Org ID for PJM LSEs, or NERC ID for MISO LSEs) of interest. A set of LSEs can be isolated by filtering the active pivot table (Row 14, either Column A or B). This will show the total refunds/surcharges for the LSE(s) of interest. To see the composition of this total, go to the Summary Refund Reporter tab with the same filtering which will show the LSE refund, Variable Charge refund, and FTC refund. As an alternative, the composition of any individual LSE's refund in the PT Summary tab can be viewed by double clicking on any of that LSE's refund or surcharge value in its row. Because this is an active pivot table, the double clicking operation causes Excel to create a new tab directly to the left that shows all of the source information that went into the row of interest. Each of the refund categories determined by either filtering or double clicking can then be reviewed in greater detail in their separate reporters. Applicable settlements can be identified in the PJM-MISO Settlement Indicators tab.

For TOs using this SECA Refund Reporter, first go to the PT Summary tab to see the total refunds owed by the TO in Row 5. Next, the Summary Refund Reporter provides an aggregated summary at the bottom in Rows 912 through 948. The numbers are summarized for all TOs in two ways: First, for all Viable LSEs capable of participating in the combined PJM/MISO refund process (Agg Code = 1) for the August 2017 billing period, and; Second, for those Non-viable LSEs that could not participate in the combined PJM/MISO refund process and will be addressed on a case-by-case basis (Agg Code = 0). Below these two TO summaries, there is an RTO summary showing the total LSE/TO positions of PJM and MISO as a whole for the set of Viable (participating) LSEs/FTCs.

SECA Settlements Chart - Updated 9/14/2017

No.	Date Filed	Filing Parties	Description of Settlement	FERC Action
1	1/23/2006	Ormet, Cinergy	<p>The Settlement represents a resolution of all issues between Ormet and Cinergy in connection with Sept. 6, 2005 Notice of Ormet's intent to file shift-to-shipper case in Phase II.</p> <p>https://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=10937205</p>	4/13/2006
2	1/23/2006	Wisconsin Electric, PJM TOs	<p>The Settlement Agreement resolves all issues between Wisconsin Electric and the PJM Transmission Owners in this proceeding.</p> <p>http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=10937314</p>	4/13/2006
3	1/25/2006	Wolverine, AEP	<p>The Settlement Agreement resolves all of Wolverine's "shift-to-shipper" claims against AEP in Phase II of this case.</p> <p>http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=10937748</p>	4/06/2006
4	1/26/2006	Ormet, Exelon	<p>The Settlement Agreement represents a resolution of all issues between Ormet and Exelon in Phase II of these proceedings in connection with Sept. 6, 2005 Notice of Ormet's Intent to File Shift-to-Shipper Case in Phase II.</p> <p>http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=10939708</p>	4/13/2006
5	1/27/2006	TSC Systems, Detroit Edison	<p>The Settlement resolves the TSC Systems' claim that they may use a shift-to-shipper adjustment to transfer to Detroit Edison obligations associated with SECA charges in these proceedings.</p> <p>https://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=10940398</p>	5/16/2006

SECA Settlements Chart

No.	Date Filed	Filing Parties	Description of Settlement	FERC Action
6	1/27/2006	Allegheny Elec. Coop., Williams	<p>The Settlement Agreement resolves all outstanding issues between Allegheny and Williams in this case.</p> <p>http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=10940115</p>	4/17/2006
7	2/6/2006	DTE Parties, Wolverine	<p>The Settlement Agreement resolves all of Wolverine's shift-to-shipper claims against the DTE Parties in these proceedings.</p> <p>https://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=10946685</p>	4/19/2006
8	2/21/2006	AMP-Ohio, Cinergy	<p>The Settlement represents a fair and reasonable resolution of all issues between AMP-Ohio and Cinergy in the former Phase II of these proceedings in connection with AMP-Ohio's Notice of Intent to File a shift-to-shipper case.</p> <p>https://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=10958193</p>	5/8/2006
9	3/6/2006	Dominion Retail, Reliant Energy	<p>The Settlement represents a resolution of all issues between Dominion and Reliant in the former Phase II of these proceedings in connection with Dominion's Notice of Intent to File Shift-to-Shipper Case.</p> <p>http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=10968432</p>	5/11/2006
10	3/15/2006	AEP, Exelon, WPSC, UPPCo	<p>The Settlement Agreement resolves all issues between AEP, Exelon, WPSC and UPPCo in these proceedings.</p> <p>Note: Not found in FERC eLibrary.</p>	5/21/2010

SECA Settlements Chart

No.	Date Filed	Filing Parties	Description of Settlement	FERC Action
11	3/17/2006	Allegheny Power, Dayton, Exelon, PPL, Pepco, PSE&G, Rockland Electric Company, UGI, Dominion Virginia Power	Resolves substantial portions of the issues related to the Settling Parties. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=10980431	5/21/2010
12	3/17/2006	Exelon, Dowagiac	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=10980146	5/21/2010
13	3/20/2006	Duquesne Light Co., Reliant Energy	Resolves all issues between parties in this proceeding. Is for resolution of "Shift-to-Shipper" claim against Reliant and does not impact SECA allocations or subsequent adjustments. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=10980478	11/22/2006
14	3/31/2006	Dayton, AMP-Ohio	Resolves all Issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=10990869	6/12/2006
15	4/28/2006	DTE & PJM Parties	Resolves all issues between parties. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11016441	7/3/2007
16	4/28/2006	Madison Gas & Electric, PJM TOs	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11016449	10/22/2007

SECA Settlements Chart

No.	Date Filed	Filing Parties	Description of Settlement	FERC Action
17	4/28/2006	PJM TOs, WPPI	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11016451	10/22/2007
18	4/28/2006 (5/1/2006 Errata)	Consumers Energy, PJM TOs	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11016450 Errata: http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11018517	5/26/2006
19	5/1/2006	Blue Ridge Power Agency, Duke (Formerly Cinergy)	Resolves all issues between parties in former Phase II of the proceeding in connection with Blue Ridge's Notice of Intent to File Shift-to-Shipper Case. https://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11018231	8/18/2006
20	5/2/2006	DTE Parties, Nordic, AEP	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11019131	11/2/2006
21	5/3/2006	AEP, Buckeye	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11019632	6/28/2006
22	5/10/2006	LEM, AMP-Ohio	Resolves all issues between Parties in this proceeding. https://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11024460	6/21/2006

SECA Settlements Chart

No.	Date Filed	Filing Parties	Description of Settlement	FERC Action
23	5/10/2006	LEM, DTET	Resolves LEM's "ripple" shift-to-shipper claim against DTET. https://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11024591 Note: Privileged access; unable to open file.	7/5/2006
24	6/1/2006	Ormet, MISO TOs	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/IDMWS/common/opennat.asp?fileID=11047899	11/22/2006
25	6/12/2006 (7/12/2006 Errata)	AEP, AMP-Ohio	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11058013 Errata: http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11085516	7/3/2007
26	6/26/2006	AEP, Hoosier	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11074618	11/3/2006
27	7/11/2006	ComEd, MTDUs	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11084825	10/27/2006

SECA Settlements Chart

No.	Date Filed	Filing Parties	Description of Settlement	FERC Action
28	7/20/2006 (10/7/2010 Amendment)	FirstEnergy, Dayton	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11092973 (Including GM shifts) https://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=12459827	12/6/2006 11/23/2010
29	7/27/2006	ComEd, Quest/WPS Energy Services	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11102026	5/10/2007
30	7/27/2006	Duquesne, Strategic	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11102017	4/26/2007
31	7/28/2006	Strategic, Settling MISO TOs	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/IDMWS/common/opennat.asp?fileID=11101305	5/11/2007
32	8/1/2006	Settling MISO/PJM TOs, Duke Energy North America	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11102414	11/8/2006
33	8/2/2006	Dayton, AEC, SMECO	Resolves all issues between parties in this proceeding. Note: Not found in FERC eLibrary.	11/22/2006

SECA Settlements Chart

No.	Date Filed	Filing Parties	Description of Settlement	FERC Action
34	8/4/2006	Exelon, AMP-Ohio	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11107825	10/27/2006
35	8/8/2006	Dayton, Strategic	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11109783	11/3/2006
36	8/8/2006	Dayton, Quest	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11109793	11/22/2006
37	8/11/2006	AEP, MTDUs	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11153780	7/3/2007
38	8/11/2006	Dayton, MTDUs, Nordic	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11153782	10/23/2007
39	9/12/2006	Dayton, Duquesne	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11153781	11/27/2006
40	9/19/2006	Duquesne, Dominion	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11149937	11/2/2006

SECA Settlements Chart

No.	Date Filed	Filing Parties	Description of Settlement	FERC Action
41	10/6/2006	AEP, Exelon	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11154292	7/31/2007
42	10/12/2006 (10/13/2006 Errata)	Settling PJM TOs, Settling LSEs	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11155096 Errata removing Allegheny Electric Coop, Southern Maryland Electric Coop and Strategic Energy as Settling Parties. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11156426	10/25/2007
43	11/9/2006	Dayton, Settling MISO TOs	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11199862	11/20/2008
44	11/14/2006	ComEd, Nordic	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11199424	7/31/2007
45	12/12/2006	MTDUs, Midwest ISO TOs	Settle all MTDUs' obligations under transitional rate mechanism. https://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11206665	10/23/2007

SECA Settlements Chart

No.	Date Filed	Filing Parties	Description of Settlement	FERC Action
46	1/18/2007	PJM Settling Parties, MISO Settling Parties (including LSEs)	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11237823	12/19/2008
47	7/2/2007	FirstEnergy Companies, PJM LSEs	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11400012	10/23/2007
48	7/13/2007	Duquesne Entities, Midwest ISO Settling Parties	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11401909	11/20/2008
49	1/17/2008	First Energy, Duquesne	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11578122	11/20/2008
50	3/21/2008 (9/23/10 Amendment)	First Energy, AEP	Resolves all issues between parties in this proceeding (including GM shifts/Quest). http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11623533 Amendment: https://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=12447867	11/20/2008 11/23/2010
51	5/21/2008	FirstEnergy, MISO TOs	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11696338	11/20/2008

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No.	Date Filed	Filing Parties	Description of Settlement	FERC Action
52	9/12/2008	AEP, MISO TOs	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=11810516	12/19/2008
53	10/29/2009 Amended 09/23/2010	FirstEnergy, Exelon	Resolves all issues between parties (including GM shifts). http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=12190783 9/23/2010 Amendment: Settles all Green Mountain and Quest-WPS/NOAC obligations. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=12447565	5/21/2010 11/23/2010
54	7/17/2009	Dayton, Wabash	Resolves all issues between parties in this proceeding. https://elibrary.ferc.gov/IDMWS/common/opennat.asp?fileID=12089645	5/17/2010
55	3/17/2010	FirstEnergy, AMP-Ohio	Resolves all issues between parties in this proceeding. https://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=12294120	5/18/2010
56	3/31/2010	Exelon, Wabash	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=12306923	7/2/2010
57	4/8/2010	FirstEnergy, Dominion Retail	Resolves all issues between parties in this proceeding. https://elibrary.ferc.gov/IDMWS/common/opennat.asp?fileID=12312662	5/18/2010

SECA Settlements Chart

No.	Date Filed	Filing Parties	Description of Settlement	FERC Action
58	7/5/2012	AEP, Dayton, Exelon, BP (Contains Opt-In Notice for Other PJM TOs to join.)	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=13023356	8/22/2012
59	8/24/2012	PEPCo, DPL, AE	Opt-in Notice for BP Settlement	n/a
60	8/27/2012	Monongahela Power Co. (Allegheny)	Opt-in Notice for BP Settlement	n/a
61	8/27/2012	Penelec	Opt-in Notice for BP Settlement	n/a
62	8/27/2012	MetEd	Opt-in Notice for BP Settlement	n/a
63	8/27/2012	JCPL	Opt-in Notice for BP Settlement	n/a
64	8/28/2012	UGI	Opt-in Notice for BP Settlement	n/a
65	9/24/2012	PSEG	Opt-in Notice for BP Settlement	n/a
66	9/26/2012	PPL	Opt-in Notice for BP Settlement	n/a
67	9/27/2012	Rockland	Opt-in Notice for BP Settlement	n/a

SECA Settlements Chart

No.	Date Filed	Filing Parties	Description of Settlement	FERC Action
68	10/1/2012	Dominion Retail	Opt-in Notice for BP Settlement	n/a
69	10/4/2012	Allegheny Electric	Opt-in Notice for BP Settlement	n/a
70	10/18/2012	AEP, Exelon, Direct/Strategic	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=13092332	12/12/2012
71	1/10/2013	AEP, Integrys/Quest	Resolves all issues between parties in this proceeding. http://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=13151371	7/31/2013
72	9/9/2013	AEP, Dominion Retail	Resolves all issues between parties in this proceeding. https://elibrary.ferc.gov/IDMWS/common/opennat.asp?fileID=13347367	11/1/2013
73	9/9/2016	MISO TOs, BGE	Resolves all issues between parties in this proceeding. https://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=14352181	11/17/2016
74	6/17/2016	AEP, Direct Energy, Constellation, DTE, FirstEnergy, MidAmerican, MISO TOs	Offer of Settlement filed regarding the identity and respective SECA obligations of the new supplier(s) of the North Star Steel Company load and retail load at the MECS.DECO.CMSZ sink. https://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=14279174	12/21/2016