



An Exelon Company

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PECO
2301 Market Street, 515
Philadelphia, PA 19103

January 13, 2015

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street
Harrisburg, PA 17105-3265

Re: Smart Meter, Universal Deployment Plan - Electric Generation Supplier Coordination Tariff Compliance Filing in Accordance with Docket No. M-2009-2123944

Dear Secretary Chiavetta:

Pursuant to the Commission Order at Docket No. M-2009-2123944, entered on August 15, 2013, PECO Energy Company ("PECO") is filing the Electric Generation Supplier Coordination Compliance Tariff, Supplement No. 22 to Tariff Electric PA PUC No. 1S.

The tariff changes are prompted by the use of Advanced Metering Infrastructure (AMI) interval data in PJM Wholesale Settlement processes. The specific changes to the tariff address the addition of new definitions of various customer account types based on AMI capabilities. The availability of AMI data will allow for the use of interval-based billing instead of aggregate load curves in the PJM Wholesale Settlement process. In addition, the use of AMI interval data will allow for the allocation of Unaccounted-For-Energy (UFE) for reconciliation service to all customer accounts.

PECO is submitting this compliance filing on at least 30 days notice to be effective February 13, 2015. This date coincides with PECO's implementation of the required information technology system changes to support the use of AMI interval data.

The following attachments in clean and redlined format are included in support of this filing:

Attachment 1: Revised Electric Generation Supplier Coordination Tariff – clean
Attachment 2: Revised Electric Generation Supplier Coordination Tariff – redlined

If you have any questions regarding this matter, please call Rich Schlesinger at 215-841-5771.

Sincerely,

A handwritten signature in black ink, appearing to read "Rich Webster".

cc: C. Walker-Davis, Director, Office of Special Assistants
P. T. Diskin, Director, Bureau of Technical Utility Services
D. P. Hosler, Director, Bureau of Audits
J. E. Simms, Director, Bureau of Investigation & Enforcement
Office of Consumer Advocate
Office of Small Business Advocate
McNees, Wallace & Nurick

Attachment 1

PECO ENERGY COMPANY

ELECTRIC GENERATION SUPPLIER COORDINATION TARIFF

COMPANY OFFICE LOCATION

2301 Market Street

Philadelphia, Pennsylvania 19103

Issued: January 13, 2015

Effective: February 13, 2015

**ISSUED BY: C. L. Adams – President & CEO
PECO Energy Distribution Company
2301 MARKET STREET
PHILADELPHIA, PA. 19103**

NOTICE.

LIST OF CHANGES MADE BY THIS SUPPLEMENT

**Definition of Terms and Explanations of Abbreviations - 2nd Revised Page No. 4
and 1st Revised Page 6**

Reflects provisions for compliance with the Order at Docket No. M-2009-2123944 issued on August 15, 2013, approving the Joint Petition for settlement of PECO Energy's Smart Meter Universal Deployment Plan.

Load Backcasting - 2nd Revised Page No. 24

Reflects provisions for compliance with the Order at Docket No. M-2009-2123944 issued on August 15, 2013, approving the Joint Petition for settlement of PECO Energy's Smart Meter Universal Deployment Plan.

Daily Backcasting Process - 3rd Revised Page No. 26 and 2nd Revised Page No. 27

Reflects provisions for compliance with the Order at Docket No. M-2009-2123944 issued on August 15, 2013, approving the Joint Petition for settlement of PECO Energy's Smart Meter Universal Deployment Plan.

Adequacy of Backcast - 3rd Revised Page No. 28

Reflects provisions for compliance with the Order at Docket No. M-2009-2123944 issued on August 15, 2013, approving the Joint Petition for settlement of PECO Energy's Smart Meter Universal Deployment Plan.

Load Scheduling - 3rd Revised Page No. 30

Reflects provisions for compliance with the Order at Docket No. M-2009-2123944 issued on August 15, 2013, approving the Joint Petition for settlement of PECO Energy's Smart Meter Universal Deployment Plan.

**Reconciliation Service and Determination of Reconciliation Quantities - 3rd
Revised Page No. 32**

Reflects provisions for compliance with the Order at Docket No. M-2009-2123944 issued on August 15, 2013, approving the Joint Petition for settlement of PECO Energy's Smart Meter Universal Deployment Plan.

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DEFINITION OF TERMS AND EXPLANATION OF ABBREVIATIONS

Account Types:

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Aggregate Account - Aggregated monthly metered or unmetered accounts.

Individually Modeled Account - Account is generally commercial / industrial 100 KW or larger or legacy interval metered Customer.

Interval Aggregate Account - Used for Reconciliation Service only, an account representing aggregation of interval metered accounts that are not Individually Modeled.

Appropriate Similar Day - hourly backcasted load comparable based on weekday, month, season, and weather.

Backcasting - Process that utilizes load profiles and historical data along with actual weather data to submit a supplier's load responsibility share to PJM.

Bad Credit - an EGS has bad credit if it is insolvent (as evidenced by a credit report prepared by a reputable credit bureau or credit reporting agency or public financial data, liabilities exceeding assets or generally failing to pay debts as they become due) or has failed to pay Company invoices when they became due on two or more occasions within the last twelve billing cycles.

Charge - any fee or charge that is billable by the Company to an EGS under this Tariff, including any Coordination Services Charge.

Competition Act - the Electricity Generation Customer Choice and Competition Act, 66 Pa.C.S. §2801, et seq.

Competitive Energy Supply - unbundled energy and/or capacity provided by an Electric Generation Supplier.

Coordination Activities - all activities related to the provision of Coordination Services.

Coordination Obligations - all obligations identified in Rule 4 of the Tariff, relating to the provision of Coordination Services.

Coordination Services - those services that permit the type of interface and coordination between EGSs and the Company in connection with the delivery of Competitive Energy Supply to serve Customers located within the Company's service territory, including: load backcasting, certain scheduling-related functions and reconciliation.

Coordination Services Charges - all Charges stated in the Charges section of this Tariff that are billed by the Company for Coordination Services performed hereunder.

(C) Denotes Change

PECO Energy Company

Representative does not include any person in that company who is not part of the EGS division.

FERC - the Federal Energy Regulatory Commission.

Hourly or Sub-Hourly Metering Equipment - metering equipment that supplies hourly or sub-hourly readings of kW and power factor via remote communications, and not metering equipment from which hourly or sub-hourly demand readings may be obtained through on-site querying of the metering equipment. (C)

Interest Index - an annual interest rate determined by the average of 1-Year Treasury Bills for September, October and November of the previous year.

Joint Petition for Full Settlement - The Joint Petition For Full Settlement Of PECO Energy Company's Restructuring Plan And Related Appeals And Application For A Qualified Rate Order And Application For Transfer Of Generation Assets, dated April 29, 1998

Kilowatt or kW - unit of measurement of useful power equivalent to 1000 watts.

Load Serving Entity or "LSE" - an entity that has been granted the authority or has an obligation pursuant to State or local law, regulation or franchise to sell electric energy to end-users located within the PJM Control Area.

Locational Marginal Price or "LMP"- the hourly integrated marginal price to serve load at individual locations throughout PJM, calculated by the PJM OI as specified in the PJM Open Access Transmission Tariff.

Megawatt or MW - one thousand kilowatts.

Meter Read Date - the date on which the Company schedules a meter to be read for purposes of producing a Customer bill in accordance with the regularly scheduled billing cycles of the Company.

Month - a month under this Tariff means 1/12 of a year, or the period of approximately 30 days between two regular consecutive readings of the Company's meter or meters installed on the Customer's premises.

(C) Denotes Change

6. LOAD BACKCASTING

6.1 Customer Load Backcasting. The Company, in conjunction with an EGS, shall perform a Customer load backcasting process for each EGS's load requirements which shall estimate an EGS's anticipated aggregate hourly Customer load. The aggregate hourly load forecast shall define the hourly energy requirements for an EGS. Energy will be delivered to the Company's electric distribution system using the PJM power scheduling policies and procedures.

6.2 Backcasting Methodology.

6.2.1 Aggregate Account Backcasts. For each EGS, the Company will provide hourly load backcasts for these accounts which will establish the hourly supply obligations of the EGS for serving such Customers. The Company has developed and will maintain, based on load survey data, load backcast categories corresponding to the Company's current rate classes and strata within the rate classes identified in the EDC Tariff. The weather-sensitive load curves of these rate classes/usage strata will be the basis for preparing the backcasts for EGS's Aggregate Accounts, using hourly weather data provided by an independent weather service. (C)

6.2.2 Individually Modeled Account Backcasts. The Company will provide a backcast for these accounts. An EGS has the option to override the PECO-provided backcast with its own backcast for its Individually Modeled Accounts. PECO will not override a backcast that has already been provided by the EGS (C)

6.2.3 Typical Load Curve Data. On or before the day of energy scheduling, the Company will make available to EGSs the typical load curves (including weather sensitivity) and all algorithms necessary to calculate the hourly backcast for Aggregate Accounts. (C)

6.2.3.1 Updates to Typical Load Curve Data. The Company shall review annually its methodology, algorithms and load backcasting results and shall perform additional load studies to update the load curve data as required.

6.2.4 THIS SECTION IS NO LONGER APPLICABLE.

(C) Denotes Change

6.3 Daily Backcasting Process.

6.3.1 Business Days and Scheduling Window. The daily backcasting process shall be performed on each business day in accordance with PJM daily accounting deadlines.

Backcasts are final as of the PJM eScheduler System daily accounting deadline for the business day.

6.3.2 Process Description for Backcasting. The following process shall be followed on each business day:

Step 1:

The Company will calculate each EGS's load backcast for each Aggregate Account by multiplying the weather-adjusted load curve for the appropriate day type by the number of an EGS's Customers in that rate class and strata, incorporating a seasonal scaling factor based on the historical usage of the Customers that the EGS is serving, and adjusting the resulting hourly values upward by an amount necessary to cover line losses based on standard line loss percentages for the Customer class to which each Customer belongs. The Company will post these load backcast values on the SUCCESS website by 7:00 a.m. Eastern Prevailing Time. (C)

(C) Denotes Change

Step 2a:

Until 10:00 a.m. Eastern Prevailing Time of the business day following the day for which a load backcast is to apply, the Company will permit an EGS to enter at its discretion, via the SUCCESS website, the load backcast for any or all of its Individually Modeled Accounts. Backcasts for Individually Modeled Accounts should include estimated losses based on Company-furnished loss factors for each rate class (C)

If an EGS decides not to enter a load backcast for any of its required Individually Modeled Accounts by 10:00 a.m. Eastern Prevailing Time, the Company will use Company-provided values for the associated day(s). Such default values shall be binding on an EGS deciding not to enter load backcasts, as if the EGS had entered the values itself. (C)

Step 2b:

The Company and the EGS shall seek to reach an agreement as to the load backcasts submitted by an EGS under Step 2a, provided that nothing in this Step 2b shall limit the Company's right to reject a backcast and submit a Company backcast pursuant to Step 3.

(C) Denotes Change

Step 3:

The Company will accept or reject an EGS load backcast via the SUCCESS website by 11:00 a.m. Eastern Prevailing Time. If the Company's Electric and Gas Choice personnel determine that an EGS-submitted backcast is going to be rejected and conditions permit, then an Electric and Gas Choice staff member will attempt to contact an EGS to explain the reason for rejection and resolve backcast problems. If the reason for rejecting an EGS-submitted load backcast values or changes cannot be resolved earlier than one hour prior to the current day's PJM daily accounting deadline, the scheduling process will continue using the Company backcast values.

6.4 THIS SECTION IS NO LONGER APPLICABLE.

6.5 Adequacy of Backcast.

An EGS's remedies for any claimed deficiency in the Company's backcast for monthly metered Customers shall be limited to either:

1. arranging, at its own expense, for the installation pursuant to PaPUC rules and procedures of Hourly or Sub-Hourly Metering Equipment at Customer's premises in order to permit the Customer to be backcasted billed and reconciled using the Customer interval data; or
2. entering, at its own expense, into a joint load study with the Company to develop new load curves.

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7. LOAD SCHEDULING

7.1 Net Load Schedules. The net load schedule for an EGS shall be equal to the aggregated backcast value for all of the Customers of that EGS. (C)

7.2 Rounding to Whole Kilowatts. So long as the PJM OI or its successor requires the scheduling and delivery of power only in whole kW, the Company will round the aggregate backcast value for each hour to a whole kW value for load scheduling purposes according to the following rules:

- If the aggregate backcast value for an hour is greater than 0.0 kW but less than 1.0kW, the value will be rounded to 1.0kW.
- If the aggregate backcast value for an hour is greater than 1.0kW, the value will be rounded downward to the nearest whole kW if the decimal portion is less than 0.5.
- If the aggregate backcast value for an hour is greater than 1.0kW, the value will be rounded upward to the nearest whole kW if the decimal portion is greater than or equal to 0.5.

7.3 Unaccounted-For Energy (UFE). The Company will apply UFE to schedules for both EGS load and Company default service load based on load ratio share and will add UFE to the backcast KW for each hour prior to PJM submittal.

7.4 Daily Load Scheduling Process.

7.4.1 Submitting Schedules. The Company will unilaterally submit the load schedule for the scheduling window to PJM on each business day using the PJM eScheduler System prior to PJM daily accounting deadlines.

7.4.2 PJM Deration of Schedules. PJM will derate all schedules for the removal of marginal losses on an hourly basis. An EGS must serve this derated schedule per the PJM Agreements.

7.4.3 Load Schedule Changes. An EGS may not initiate changes to the load schedule after the Company has submitted final schedules to PJM.

(C) Denotes Change

8.4.1 Aggregate Account. Data for Aggregate Accounts are collected in subsets corresponding to Customer billing cycles (billing routes), which close on different days of the month. To reconcile energy mismatches on an hourly basis, the Company shall convert such meter data for Customers to the equivalent hourly usage. Rate class/strata load curves using actual weather values will be applied to metered usage to derive an estimate for the hour-by-hour usage. (C)

8.4.2 Individually Modeled and Interval Aggregate Accounts. Data from these accounts will also be collected by the Company monthly on a billing route basis. (C)

8.5 Determination of Reconciliation Quantities.

Step 1:

Aggregate Account Customers' actual usage (the billing usage reported by the Company) will be spread over each hour in the usage period based on each Customer's weather-adjusted hourly usage curve using actual hourly weather data for the usage period. The Customer's weather-adjusted usage by hour will be multiplied by the loss factor determined by Customer rate class to determine the Customer's gross usage by hour. (C)

Each Individually Modeled and Interval Aggregate Customer's hourly usage will be multiplied by a loss factor determined by Customer rate class to determine the Customer's gross usage by hour. (C)

Step 2:

The gross hourly usage quantity for each Customer will be aggregated by the Company to arrive at a total gross Customer usage quantity by hour for each EGS for use in Step 4 of this Rule 8.5.

Step 3:

Unaccounted For Energy, the difference between actual system load of the Company and the sum of all Customer load (EGS and the Company) as calculated in Step 1 of Rule 8.5, will be calculated on an hourly basis. The Unaccounted For Energy is currently allocated hourly by load ratio share across all Aggregate Account load (EGS and the Company). Unaccounted For Energy will be transitioned to be allocated to all load in Reconciliation with the use of more interval data. This allocated unaccounted for energy will be algebraically summed into the gross Customer usage quantity by hour for each EGS. (C)

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Attachment 2

Supplement No. 22 to
Tariff Electric Pa. P.U.C. No. 1S

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PECO ENERGY COMPANY

ELECTRIC GENERATION SUPPLIER COORDINATION TARIFF

COMPANY OFFICE LOCATION

2301 Market Street

Philadelphia, Pennsylvania 19103

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Issued: January 13, 2015 Effective: February 13, 2015

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ISSUED BY: C. L. Adams – President & CEO
PECO Energy Distribution Company
2301 MARKET STREET
PHILADELPHIA, PA. 19103

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DEFINITION OF TERMS AND EXPLANATION OF ABBREVIATIONS

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Charge - any fee or charge that is billable by the Company to an EGS under this Tariff, including any Coordination Services Charge.

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Load Serving Entity or "LSE" - an entity that has been granted the authority or has an obligation pursuant to State or local law, regulation or franchise to sell electric energy to end-users located within the PJM Control Area.

Locational Marginal Price or "LMP"- the hourly integrated marginal price to serve load at individual locations throughout PJM, calculated by the PJM OI as specified in the PJM Open Access Transmission Tariff.

Megawatt or MW - one thousand kilowatts.

Meter Read Date - the date on which the Company schedules a meter to be read for purposes of producing a Customer bill in accordance with the regularly scheduled billing cycles of the Company.

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PECO Energy Company

6. LOAD BACKCASTING

6.1 Customer Load Backcasting. The Company, in conjunction with an EGS, shall perform a Customer load backcasting process for each EGS's load requirements which shall estimate an EGS's anticipated aggregate hourly Customer load. The aggregate hourly load forecast shall define the hourly energy requirements for an EGS. Energy will be delivered to the Company's electric distribution system using the PJM power scheduling policies and procedures.

6.2 Backcasting Methodology.

6.2.1 Aggregate Account Backcasts. For each EGS, the Company will provide hourly load backcasts for these accounts, which will establish the hourly supply obligations of the EGS for serving such Customers. The Company has developed and will maintain, based on load survey data, load backcast categories corresponding to the Company's current rate classes and strata within the rate classes identified in the EDC Tariff. The weather-sensitive load curves of these rate classes/usage strata will be the basis for preparing the backcasts for EGS's Aggregate Accounts, using hourly weather data provided by an independent weather service.

6.2.2 Individually Modeled Account Backcasts. The Company will provide a backcast for these accounts. An EGS has the option to override the PECO-provided backcast with its own backcast for its Individually Modeled Accounts. PECO will not override a backcast that has already been provided by the EGS.

6.2.3 Typical Load Curve Data. On or before the day of energy scheduling, the Company will make available to EGSs the typical load curves (including weather sensitivity) and all algorithms necessary to calculate the hourly backcast for Aggregate Accounts.

6.2.3.1 Updates to Typical Load Curve Data. The Company shall review annually its methodology, algorithms and load backcasting results and shall perform additional load studies to update the load curve data as required.

6.2.4 THIS SECTION IS NO LONGER APPLICABLE.

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Effective February 13, 2015

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6.3 Daily Backcasting Process.

6.3.1 Business Days and Scheduling Window. The daily backcasting process shall be performed on each business day in accordance with PJM daily accounting deadlines.

Backcasts are final as of the PJM eScheduler System daily accounting deadline for the business day.

6.3.2 Process Description for Backcasting. The following process shall be followed on each business day:

Step 1:

The Company will calculate each EGS's load backcast for each Aggregate Account by multiplying the weather-adjusted load curve for the appropriate day type by the number of an EGS's Customers in that rate class and strata, incorporating a seasonal scaling factor based on the historical usage of the Customers that the EGS is serving, and adjusting the resulting hourly values upward by an amount necessary to cover line losses based on standard line loss percentages for the Customer class to which each Customer belongs. The Company will post these load backcast values on the SUCCESS website by 7:00 a.m. Eastern Prevailing Time.

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**Supplement No. 22 to
 Tariff Electric Pa. P.U.C. No. 1S
 Second Revised Page No. 27
 Superseding First Page No. 27**

PECO Energy Company

Step 2a:

Until 10:00 a.m. Eastern Prevailing Time of the business day following the day for which a load backcast is to apply, the Company will permit an EGS to enter at its discretion, via the SUCCESS website, the load backcast for any or all of its Individually Modeled Accounts. Backcasts for Individually Modeled Accounts should include estimated losses based on Company-furnished loss factors for each rate class.

If an EGS decides not to enter a load backcast for any of its required Individually Modeled Accounts by 10:00 a.m. Eastern Prevailing Time, the Company will use Company-provided values for the associated day(s). Such default values shall be binding on an EGS deciding not to enter load backcasts, as if the EGS had entered the values itself.

Step 2b:

The Company and the EGS shall seek to reach an agreement as to the load backcasts submitted by an EGS under Step 2a, provided that nothing in this Step 2b shall limit the Company's right to reject a backcast and submit a Company backcast pursuant to Step 3.

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Supplement No. 22 To
Tariff Electric Pa. P.U.C. No. 1S
Third Revised Page No. 28
Superseding Second Revised Page No. 28

PECO Energy Company

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Step 3:

The Company will accept or reject an EGS load backcast via the SUCCESS website by 11:00 a.m. Eastern Prevailing Time. If the Company's Electric and Gas Choice personnel determine that an EGS-submitted backcast is going to be rejected and conditions permit, then an Electric and Gas Choice staff member will attempt to contact an EGS to explain the reason for rejection and resolve backcast problems. If the reason for rejecting an EGS-submitted load backcast values or changes cannot be resolved earlier than one hour prior to the current day's PJM daily accounting deadline, the scheduling process will continue using the Company backcast values.

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6.5 Adequacy of Backcast.

An EGS's remedies for any claimed deficiency in the Company's backcast for monthly metered Customers shall be limited to either:

1. arranging, at its own expense, for the installation pursuant to PaPUC rules and procedures of Hourly or Sub-Hourly Metering Equipment at Customer's premises in order to permit the Customer to be backcasted, billed and reconciled using the Customer interval data; or
2. entering, at its own expense, into a joint load study with the Company to develop new load curves.

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7. LOAD SCHEDULING

7.1 Net Load Schedules. The net load schedule for an EGS shall be equal to the aggregated backcast value for all of the Customers of that EGS.

7.2 Rounding to Whole Kilowatts. So long as the PJM OI or its successor requires the scheduling and delivery of power only in whole kW, the Company will round the aggregate backcast value for each hour to a whole kW value for load scheduling purposes according to the following rules:

- If the aggregate backcast value for an hour is greater than 0.0 kW but less than 1.0kW, the value will be rounded to 1.0kW.
- If the aggregate backcast value for an hour is greater than 1.0kW, the value will be rounded downward to the nearest whole kW if the decimal portion is less than 0.5.
- If the aggregate backcast value for an hour is greater than 1.0kW, the value will be rounded upward to the nearest whole kW if the decimal portion is greater than or equal to 0.5.

7.3 Unaccounted-For Energy (UFE). The Company will apply UFE to schedules for both EGS load and Company default service load based on load ratio share and will add UFE to the backcast KW for each hour prior to PJM submittal.

7.4 Daily Load Scheduling Process.

7.4.1 Submitting Schedules. The Company will unilaterally submit the load schedule for the scheduling window to PJM on each business day using the PJM eScheduler System prior to PJM daily accounting deadlines.

7.4.2 PJM Deration of Schedules. PJM will derate all schedules for the removal of marginal losses on an hourly basis. An EGS must serve this derated schedule per the PJM Agreements.

7.4.3 Load Schedule Changes. An EGS may not initiate changes to the load schedule after the Company has submitted final schedules to PJM.

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8.4.1 **Aggregate Account.** Data for Aggregate Accounts are collected in subsets corresponding to Customer billing cycles (billing routes), which close on different days of the month. To reconcile energy mismatches on an hourly basis, the Company shall convert such meter data for Customers to the equivalent hourly usage. Rate class/strata load curves using actual weather values will be applied to metered usage to derive an estimate for the hour-by-hour usage.

8.4.2 **Individually Modeled and Interval Aggregate Accounts.** Data from these accounts will also be collected by the Company monthly on a billing route basis.

8.5 Determination of Reconciliation Quantities.

Step 1:

Aggregate Account Customers' actual usage (the billing usage reported by the Company) will be spread over each hour in the usage period based on each Customer's weather-adjusted hourly usage curve using actual hourly weather data for the usage period. The Customer's weather-adjusted usage by hour will be multiplied by the loss factor determined by Customer rate class to determine the Customer's gross usage by hour.

Each Individually Modeled and Interval Aggregate Customer's hourly usage will be multiplied by a loss factor determined by Customer rate class to determine the Customer's gross usage by hour.

Step 2:

The gross hourly usage quantity for each Customer will be aggregated by the Company to arrive at a total gross Customer usage quantity by hour for each EGS for use in Step 4 of this Rule 8.5.

Step 3:

Unaccounted For Energy, the difference between actual system load of the Company and the sum of all Customer load (EGS and the Company) as calculated in Step 1 of Rule 8.5, will be calculated on an hourly basis. The Unaccounted For Energy is currently allocated hourly by load ratio share across all Aggregate Account load (EGS and the Company). Unaccounted For Energy will be transitioned to be allocated to all load in Reconciliation with the use of more interval data. This allocated unaccounted for energy will be algebraically summed into the gross Customer usage quantity by hour for each EGS.

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