Decision Support System (DSS) Mapping Guide for Customer Statements

Effective June 2023

Version 5

Introduction

Document Purpose

The purpose of this document is to provide DSS users with mapping guides that link NYISO Customer Statement billing codes to NYISO Decision Support System (DSS) data elements and provide users with the location of those elements in the DSS to support detailed invoice reconciliation.

Known Differences between NYISO Customer Statement Files and DSS Data

Data contained in the DSS will differ slightly from data contained in Customer Statement CSV files, MIS Download files, and Consolidated Invoice files. The following is a list of potential differences that may arise:

- The number of seconds in an RTD interval as reported by MIS Download is not correct, however, it is correct in the DSS.
- Values may be off slightly when aggregated up to the hour/day/month level due to slight rounding discrepancies.
- Visibility of Transaction Contract Numbers over 1,000,000,000 may vary in the Customer Statement files. When the Customer Statement files are created, 1,000,000,000 is subtracted from the Transaction Contract Number for any value exceeding 1,000,000,000. For example, a Transaction Contract Number of 1,000,000,245 will be reported as 245 in the Customer Statement files. However, the DSS reports the Transaction Contract Number as 1,000,000,245.
- Some billing codes in the Customer Statement files are broken out into multiple elements in the DSS for deeper reporting granularity. These codes are documented further in this Guide.

Other Assumptions

- Data elements may be found in other DSS Universes/DSS Classes in addition to the Primary DSS Universe/DSS Class as noted in the tables within this Guide.
- DSS does not reference 3rd Party Station Service.
- DSS does not reference Forecast Fees.

Section Guide

This document consists of three separate mapping guides as follows:

Section One: Consolidated Invoice to DSS mapping

Section One provides users with a direct link from their NYISO Consolidated Invoice reports (Invoice Summary and Invoice Details) to corresponding data in the DSS. Market Participants may query Consolidated Invoice data for the three year period ending with the current month. Market Participants may also download data elements from the DSS for February 1, 2005 through the present.

Section Two: Hourly and Daily Customer Statements (DSS) to Consolidated Invoice-Invoice Details

Section two is intended to provide NYISO advisory file users with guidance as to the flow of data from the Hourly Customer Statement, through the Daily Customer Statement, to the Consolidated Invoice-Invoice Detail file.

This section is organized primarily according to the Hourly Customer Statement. Within each Hourly Customer Statement category, sub-categories were added to clarify the types of bill codes. For additional information or to clarify the terminology, see the Accounting and Billing Manual.

Occasionally, in order to facilitate the user's ability to calculate the amount appearing on an invoice line, it is necessary to mention a bill code that will not appear in the file until a later section. In such instances, the bill code appears in the calculation only. Later, when that bill code would normally appear in the file, full treatment of the bill code is utilized except that the Monthly Invoice amount section refers the user back to the earlier section's calculation of the Monthly Invoice amount.

Section Three: Hourly and Daily Customer Statement codes (DSS) to Data Objects Mapping (DSS)

The purpose of Section Three is to provide DSS users with a mapping of NYISO Customer Statement bill codes to NYISO Decision Support System (DSS) data elements and to provide users with locations of those elements within the DSS.

Note: The following billing codes are no longer applicable – 255, 256, 259, 260, 261, 262, 319, 320, 323, 324, 325, 326, 510, 607, 608, 609, 616, 625, 626, 627, 628, 629, 630, 805, 826, 828, 830, 831, 832, 833, 834, 835, 2031, 2033, 2034, 2036, 2038, 2039

Table of Contents

Section One

Consolidated Invoice – Invoice Summary

The Consolidated Invoice – Invoice Summary is the sum of various billing codes from the Invoice Details CSV file for each market role.

Power Supplier	=Sum of the billing codes documented below (301, 304, 314, 302, 305, 328, 332, 333, 341, 2051, 306, 307, 312, 1017, 322, 331, 342, 1100, 308, 309, 310) Note: 1100 relates to the Forecasting Fee Charge and is not currently in the DSS
Transmission Customer	=Sum of the billing codes documented below (701, 705, 768, 769, 1102, 3003, 850, 752, 751, 756, 755, 803, 1103, 809, 819, 1109, 1301, 829, 842, 1144, 1302, 843, 812, 1112, 1117, 810, 1110, 1118, 813, 1113, 1119, 814, 1114, 1120, 836, 1136, 1139, 837, 1137, 1140, 839, 840, 841, 851, 3004, 3005, 804, 1104, 807, 1107, 1121, 806, 1106, 1122, 808, 1108, 1123, 838, 1138, 1141 , 4004, 1142, 1143, 848, & 849) Note: 1102, 1103, 1109, 1301, 1144, 1302, 1112, 1117, 1110, 1118, 1113, 1119, 1114, 1120, 1136, 1139, 1137, 1140, 1104, 1107, 1121, 1106, 1122, 1108, 1123, 1138, 1141, 1142, & 1143 relate to Station Service and are not currently in the DSS Note: 3004 & 3005 relate to RTO Ramapo Par Charge and Rebate and are not currently in the DSS.
Transmission Congestion Contract Holder	=<Day TCC Rent Stlmnt ($)> + Sum of the billing codes (904 & 905)
Transmission Owner	=<Day DAM Resid Cong Stlmnt: TO ($)> +<Day NTAC (NYPA) ($)> + Sum of the billing codes documented below (1015, 1016, & 4006)
Demand Response Customer	=Sum of the billing codes documented below (2012, 2015, 2013, 2011, 2014, 2026, 2028, 2029, & 2040)
Virtual Bidding Customer	=Sum of the billing codes documented below (771, 774, 773, 775, 778, & 779)
Adjustments	=Sum of <Mo Manual Adj Stlmnt ($)> + <Mo Manual Adj Interest Stlmnt ($)>
Interest	=<Mo Int Stlmnt: Inv Bill Month ($)>
Prepayments	=<Prepayment Total ($)>
Working Capital	=<Mo Work Cp Stlmnt ($)> where Mo Wrk Cp Type ID = 25, 35, 40, or 60.
ICAP	=<ICAP Stlmnt ($)>
Bad Debt Loss	=<BDL Amount ($)>

Consolidated Invoice - Invoice Details

Power Supplier Statement

Energy (MWh)	
300 Forward Energy	**From the Power Suppliers Universe:** =<Day NYISO DAM Energy (MW)>
303 Balancing Energy	**From the Power Suppliers Universe:** =<Day Gen BalMkt Energy (MW)> +<Day CLR (MW)>
2050 DER Demand Reduction Energy	**From the Power Suppliers Universe:** =<Day Gen BalMkt Demand Reduction Energy (MWh)>
Energy Settlement ($)	
301 Forward Energy	**From the Power Suppliers Universe:** =<Day Total DAM Stlmnt: Gen ($)>
304 Balancing Energy	**From the Power Suppliers Universe:** =<Day Total BalMkt Stlmnt: Gen ($)> +<Day Total CLR BalMkt Stlmnt: Gen ($)> +<Day DAM Margin Assurance ($)> +<Day DAM Margin Assurance LRR ($)>
314 ELR DAM Contract Balancing Payment $	**From the Power Suppliers Universe:** =<Day ELR DAM MargAsrc Stlmnt ($)>
302 DAM Bid Production Cost Guarantee	**From the Power Suppliers Universe:** =<Day DAM BPCG Stlmnt ($)>
305 R/T Bid Production Cost Guarantee	**From the Power Suppliers Universe:** =<Day RT BPCG Stlmnt ($)> +<Day Supplemental Event Stlmnt ($)> +<Day RT BPCG Mitg Charge ($)> **From the Power Suppliers AS Universe:** +<Day Reg Rev Adj Stlmnt ($)>
328 Margin Restoration (MOB) Payment $	**From the Power Suppliers Universe:** =<Day Marg Restor MOB Stlmnt ($)>

332 RMR Generator Avoidable Cost Adjustment	**From the Power Suppliers Universe:** = <Day RMR Avoidable Cost Adjustment Stlmnt: Gen ($)>
333 RMR Generator Variable Cost Adjustment	**From the Power Suppliers Universe:** = <Day RMR Variable Cost Adjustment Stlmnt: Gen ($)>
341 Retail Withdrawals Generator Rebate Payment	**From the Power Suppliers Universe.** =<Day RT Rebate for Retail Withdrawals Stlmnt: Gen ($)>
2051 DER Demand Reduction Payment	**From the Power Suppliers Universe.** =< Day BalMkt Demand Reduction Stlmnt: Gen ($)>
Ancillary Service Charges	
Cost Based Ancillary Services	
306 Reactive Supply and Voltage Control Avail Pymt.	**From the Power Suppliers AS Universe:** =<Day VSS Stlmnt ($)>
307 Reactive Supply and Voltage Control LOC Pymt.	**From the Power Suppliers AS Universe:** =<Day VSS LOC Stlmnt ($)>
312 Black Start Service Payment	**From the Power Suppliers AS Universe:** =<Day Black Start Stlmnt ($)>
1017 Local Black Start and Restoration Services Payment	**From the Power Suppliers AS Universe:** =<Day Local Black Start Stlmnt ($)> + <Day Loc Blk Strt Test Stlmnt ($)>
322 OATT RS1 Net Annual Budget Charge – Injections - Generator	**From the Power Suppliers AS Universe:** = <Day OATT Sched 1 Net Annual Budget Charge Inj Stlmnt: Gen ($)> **+From the Demand Response Universe:** +< Day OATT Sched 1 Net Annual Budget Charge Inj Stlmnt: DRB ($) >
331 OATT RS1 FERC Fees – Injections - Generator	**From the Power Suppliers AS Universe:** =<Day OATT Sched 1 FERC Fees Inj Stlmnt: Gen ($)> **+From the Demand Response Universe:** +< Day OATT Sched 1 FERC Fees Inj Stlmnt: DRB ($)>
342 - Storage Withdrawal NTAC Charge	**From the Power Suppliers AS Universe:**

	=<Day RT NTAC Charge for Withdrawals Stlmnt: Gen ($)>
1100 Forecasting Fee Charge	Not currently in the DSS
Market Based Ancillary Service	
308 Regulation and Frequency Response Avail Payment	**From the Power Suppliers AS Universe:** =<Day DAM Reg Capacity Stlmnt ($)> +<Day BalMkt Reg Capacity Stlmnt ($)> +<Day RT Reg Movement Stlmnt ($)> +<Day RT Reg Performance Charge ($)>
309 Regulation and Frequency Response Penalty Charge	**From the Power Suppliers AS Universe:** =<Day Reg Penalty ($)>
310 Operating Reserves Service Availability Payment	**From the Power Suppliers AS Universe:** =<Day DAM 10Sync Avail Stlmnt ($)> +<Day BalMkt 10Sync Avail Stlmnt ($)> +<Day DAM 10NSync Avail Stlmnt ($)> +<Day BalMkt 10NSync Avail Stlmnt ($)> +<Day DAM 30Min Avail Stlmnt ($)> +<Day BalMkt 30Min Avail Stlmnt >

Transmission Customer Statement

Energy (MWh)	
700 Forward Energy	**From the Loads Universe:** =<Day DAM Sched Load (MW)> **+ From the Transactions Universe:** +<Day DAM LBMP Energy (MWh)> +<Day DAM Repl Energy (MWh)>
704 Balancing Energy	**From the Loads Universe:** +<Day BalMkt Load - LSE (MWh)> **+ From the Transactions Universe:** =<Day BalMkt LBMP Energy (MWh)>

	+<Day BalMkt Repl Energy (MWh)>
800 Ancillary Service	**From the Loads AncServ Universe:** =<Day RT LSE Load (MWh)>
1101 Station Service Energy	Not currently in the DSS
Energy Settlement ($)	
701 Forward Energy $	**From the Loads Universe:** =<Day Total DAM Stlmnt - LSE ($)> **+ From the Transactions Universe:** +<Day DAM LBMP Energy Stlmnt ($)> +<Day DAM Repl Engy Stlmnt ($)> +<Day DAM Trading Hub Total LBMP Stlmnt – Sink ($)> +<Day DAM Trading Hub Total LBMP Stlmnt – Src ($)>
705 Balancing Energy $	**From the Loads Universe:** =<Day Total BalMkt Stlmnt - LSE ($)> **+ From the Transactions Universe:** +<Day BalMkt LBMP Engy Stlmnt ($)> +<Day BalMkt Repl Engy Stlmnt ($)> +<Day Fin Imp Ch Stlmnt: Trans ($)> +<Day RT Trading Hub Total LBMP Stlmnt – Sink ($)> +<Day RT Trading Hub Total LBMP Stlmnt – Src ($)>
768 DAM External Bid Production Cost Guarantee $	**From the Transactions Universe:** =<Day DAM Trans BPCG ($)>
769 R/T External Bid Production Cost Guarantee $	**From the Transactions Universe:** =<Day RT Trans BPCG ($)> +<Day Imp ECA Suppl Guar Cr Stlmt ($)>
1102 Station Service Energy $	Not currently in the DSS
3003 RT M2M Coordination $	**From the ISO RTO Universe:** <RT M2M Flowgate Redispatch Stlmnt ($)> +<RT M2M Par Stlmnt ($)>

850 Retail Withdrawals LSE Charge	**From the LSE Storage Withdrawals Universe:** <Day RT Charge for Retail Withdrawals by Gens Stlmnt ($)>
Transmission Usage Charge Settlement [TUC] ($)	
752 Forward Congestion Charge	**From the Transactions Universe:** =<Day DAM TUC Cong Stlmnt ($)> +<Day DAM LBMP Cong Stlmnt ($)> +<Day DAM Repl Cong Stlmnt ($)>
751 Forward Loss Charge	**From the Transactions Universe:** =<Day DAM TUC Loss Stlmnt ($)> +<Day DAM LBMP Loss Stlmnt ($)> +<Day DAM Repl Loss Stlmnt ($)>
756 Balancing Congestion Charge	**From the Transactions Universe:** =<Day BalMkt TUC Cong Stlmnt ($)> +<Day BalMkt LBMP Cong Stlmnt ($)> +<Day BalMkt Repl Cong Stlmnt ($)>
755 Balancing Loss Charge	**From the Transactions Universe:** =<Day BalMkt TUC Loss Stlmnt ($)> +<Day BalMkt LBMP Loss Stlmnt ($)> +<Day BalMkt Repl Loss Stlmnt ($)>
NYPA Transmission Adjustment Charge [NTAC]	
803 NYPA Transmission Adjustment Charge[NTAC] - LSE & Exp Load & Whl Thru	**From the Loads AncServ Universe:** =<Day NTAC Stlmnt - LSE ($)> **+ From the Transactions AncSer Universe:** +<Day NTAC Stlmnt - TC ($)>
1103 NTAC - 3rd Party & Rmt Station Service Load	Not currently in the DSS
OATT Rate Schedule 1 Charges	
809 OATT RS1 Net Annual Budget Charge – Withdrawals – Internal Loads, Exports and Wheels	**From the Loads AncServ Universe:** =< Day OATT Sched 1 Net Annual Budget Charge WD Stlmnt: LSE ($)> **+ From the Transactions AncSer Universe:** +< Day OATT Sched 1 Net Annual Budget Charge WD Stlmnt: TC ($)>

819 Failed Transaction Financial Impact Credit	**From the Loads AncSer Universe:** **=<Day Fin Imp Cred Stlmnt: LSE ($)>** **From the Transactions AncSer Universe:** **=<Day Fin Imp Cred Stlmnt: TC ($)>**
1109 OATT RS1 Net Annual Budget Charge - 3rd Party Station Service Load	**Not currently in the DSS**
1301 3rd Party Station Service OATT RS1 Annual Budget Rebate	**Not currently in the DSS**
829 OATT RS1 Net Annual Budget Charge – Injections – Imports and Wheels	**From the Transactions AncSer Universe:** **=< Day OATT Sched 1 Net Annual Budget Charge Inj Stlmnt: TC ($)>**
842 OATT RS1 FERC Fees - Withdrawals – Internal Loads, Exports and Wheels	**From the Loads AncServ Universe:** **=<Day OATT Sched 1 FERC Fees WD Stlmnt: LSE ($)>** **+From the Transactions AncSer Universe:** **=<Day OATT Sched 1 FERC Fees WD Stlmnt: TC ($)>**
1144 OATT RS1 FERC Fees - 3rd Party Station Service Load	**Not currently in the DSS**
1302 3rd Party Station Service OATT RS1 FERC Fees Rebate	**Not currently in the DSS**
843 OATT RS1 FERC Fees - Injections – Imports and Wheels	**From the Transactions AncSer Universe:** **=< Day OATT Sched 1 FERC Fees Inj Stlmnt: TC ($) >**
812 NYISO-wide Uplift - LSE Load	**From the Loads AncServ Universe:** **=<Day DAM BPCG Stlmnt - LSE ($)>** **+<Day RT BPCG Stlmnt - LSE ($)>** **+<Day Supp Event Stlmnt - LSE ($)>** **+<Day DAM Trans BPCG Stlmnt - LSE ($)>** **+<Day RT Trans BPCG Stlmnt - LSE ($)>** **+<Day Imp ECA Sup Gnt Stlmnt -LSE ($)>** **+<Day DAM BPCG Forecast Stlmnt ($)>** **+ From the Transactions AncSer Universe:**

	+<Day DAM BPCG Stlmnt - TC ($)> +<Day RT BPCG Stlmnt - TC ($)> +<Day Supp Event Stlmnt - TC ($)> +<Day DAM Trans BPCG Stlmnt - TC ($)> +<Day RT Trans BPCG Stlmnt - TC ($)> +<Day ELR DAM MargAsrc Stlmnt-TC ($)> +<Day Imp ECA Sup Gnt Stlmnt - TC ($)>
1112 NYISO-wide Uplift - 3rd Party Station Service Load	Not currently in the DSS
1117 3rd Party Station Service NYISO-wide Uplift Rebate	Not currently in the DSS
810 Local Reliability Related Uplift - LSE Load	**From the Loads AncServ Universe:** =<Day DAM BPCG LRR Stlmnt - LSE ($)> +<Day RT BPCG LRR Stlmnt - LSE ($)> +<Day ELR DAM MargAsrc Stlmnt-LSE ($)>
1110 Local Reliability Related Uplift - 3rd Party Station Service Load	Not currently in the DSS
1118 3rd Party Station Service Local Reliability Related Uplift Rebate	Not currently in the DSS
813 Residual Adjustments - LSE & Exp Load & Whl Thru	**From the Loads AncServ Universe:** =<Day DAM Resid Engy Stlmnt - LSE ($)> +<Day DAM Resid Loss Stlmnt - LSE ($)> +<Day Bal Resid Engy Stlmnt - LSE ($)> +<Day Bal Resid Loss Stlmnt - LSE ($)> +<Day Bal Resid Cong Stlmnt - LSE ($)> +<Day DAM Mrgn Assrnc Stlmnt- LSE ($)> +<Day DAM MgnAssrnc LRR Stlmt-LSE ($)> +<Day Emergency Purch Stlmnt -LSE ($)> +<Day Emrgency Sales Stlmnt - LSE ($)> **+ From the Transactions AncSer Universe:** +<Day DAM Resid Enrgy Stlmnt - TC ($)> +<Day DAM Resid Loss Stlmnt - TC ($)> +<Day Bal Resid Enrgy Stlmnt - TC ($)>

	+<Day Bal Resid Loss Stlmnt - TC ($)> +<Day Bal Resid Cong Stlmnt - TC ($)> +<Day DAM Mrgn Assrnc Stlmnt - TC ($)> +<Day Emergency Purch Stlmnt - TC ($)> +<Day Emergency Sales Stlmnt - TC ($)>
1113 Residual Adjustments - 3rd Party Station Service Load	Not currently in the DSS
1119 3rd Party Station Service Residual Adjustments Rebate	Not currently in the DSS
814 Demand Response Program Uplift - LSE Load	**From the Loads AS Universe:** =<Day DADRP Stlmnt ($)>
1114 Demand Response Program Uplift - 3rd Party Station Service Load	Not currently in the DSS
1120 3rd Party Station Service Demand Response Program Uplift Rebate	Not currently in the DSS
836 Ramapo Par Charge - LSE & Exp Load & Whl Thru	**From the Loads AS Universe:** =<Day Ramapo PAR Stlmnt - LSE ($)> **+ From the Transactions AncSer Universe:** +<Day Ramapo PAR Stlmnt - TC ($)>
1136 Ramapo Par Charge - 3rd Party Station Service Load	Not currently in the DSS
1139 3rd Party Station Service Ramapo PAR Rebate	Not currently in the DSS
837 Station 80 Charge - LSE & Exp Load & Whl Thru	**From the Loads AS Universe:** =<Day Station 80 Stlmnt - LSE ($)> **+ From the Transactions AncSer Universe:** +<Day Station 80 Stlmnt - TC ($)>
1137 Station 80 Charge - 3rd Party Station Service Load	Not currently in the DSS
1140 3rd Party Station Service Station 80 Rebate	Not currently in the DSS
839 Margin Restoration (MOB) Charge $	**From the Loads AS Universe:** =<Day Marg Restor MOB Stlmnt: LSE ($)>

840 Local EDRP/SCR Demand Response Charge – LSE Load $	**From the Loads AS Universe:** =<Day EDRP Local Stlmnt: LSE ($)> + <Day SCR Local Stlmnt: LSE ($)> + <Day SCR BCG Local Stlmnt: LSE ($)>
841 NYISO-wide EDRP/SCR Demand Response Charge – LSE Load $	**From the Loads AS Universe:** =< Day EDRP NYISO-Wide Stlmnt: LSE ($)> + <Day SCR NYISO-Wide Stlmnt: LSE ($)> + <Day SCR BCG NYISO-Wide Stlmnt: LSE ($)>
851 DER Demand Reduction Revenue	**From the Loads AS Universe:** =< Day DER Demand Reduction Stlmnt: LSE ($)>
3004 RTO Ramapo Par Charge	Not currently in the DSS
3005 RTO Ramapo Par Rebate	Not currently in the DSS
Ancillary Service Charges	
804 Reactive Supply & Voltage Control Service - LSE & Exp Load & Whl Thru	**From the Loads AS Universe:** =<Day VSS Stlmnt - LSE ($)> **+ From the Transactions AncSer Universe:** +<Day VSS Stlmnt - TC ($)>
1104 Reactive Supply & Voltage Control Service - 3rd Party Station Service Load	Not currently in the DSS
807 Regulation & Frequency Response Service - LSE Load	**From the Loads AS Universe:** =<Day Regulation Stlmnt: LSE ($)> +<Day RRA Stlmnt: LSE ($)>
1107 Regulation & Frequency Response Service - 3rd Party Station Service Load	Not currently in the DSS
1121 3rd Party Station Service Regulation & Frequency Response Service Rebate	Not currently in the DSS
806 Operating Reserves Service - LSE & Exp Load	**From the Loads AS Universe:** =<Day Op Res Stlmnt - LSE ($)> **+ From the Transactions AncSer Universe:** +<Day Op Res Stlmnt - TC ($)>

1106 Operating Reserves Service - 3rd Party Station Service Load	**Not currently in the DSS**
1122 3rd Party Station Power Operating Reserves Service Rebate	**Not currently in the DSS**
808 Black Start Service - LSE Load	**From the Loads AS Universe:** **=<Day Black Start Stlmnt - LSE ($)>**
1108 Black Start Service - 3rd Party Station Service Load	**Not currently in the DSS**
1123 3rd Party Station Service Black Start Service Rebate	**Not currently in the DSS**
838 Local Black Start and Restoration Services - LSE Load	**From the Loads AS Universe:** **=<Day Local Black Start Stlmnt - LSE ($)>** **+<Day LBS Test Stlmnt: LSE ($)>**
1138 Local Black Start and Restoration Services - 3rd Party Station Service Load	**Not currently in the DSS**
1141 3rd Party Station Service Local Black Start Rebate	**Not currently in the DSS**
4004 Regulated Transmission Projects Charge - LSE Load	**From the Loads AS Universe:** **= <Day Reg Trans Project Sttlmnt ($): LSE ($)>**
1142 Regulated Transmission Projects - 3rd Party Station Service Load	**Not currently in the DSS**
1143 3rd Party Station Service Regulated Transmission Projects Rebate	**Not currently in the DSS**
848 RMR LSE Avoidable Cost Allocation	**From the LSE Reliability Must Run Universe:** **=<Day RMR Avoidable Cost Allocation Stlmnt: Load Bus ($)>**
849 RMR LSE Variable Cost Allocation	**From the LSE Reliability Must Run Universe:** **=<Day RMR Variable Cost Allocation Stlmnt: Load Bus ($)>**
For Information Only on the Transmission Customer Statement	
1148 Total NYISO-wide - 3rd Party Station Service Annual Budget Rebate	**Not currently in the DSS**
1149 Total NYISO-wide - 3rd Party Station Service FERC Fees Rebate	**Not currently in the DSS**

1150 Total NYISO-wide - 3rd Party Station Service NYISO-wide Uplift Rebate	**Not currently in the DSS**
1151 Total NYISO-wide - 3rd Party Station Service Local Reliability Related Uplift Rebate	**Not currently in the DSS**
1152 Total NYISO-wide - 3rd Party Station Service Residual Adjustments Rebate	**Not currently in the DSS**
1153 Total NYISO-wide - 3rd Party Station Service Demand Response Program Uplift Rebate	**Not currently in the DSS**
1154 Total NYISO-wide - 3rd Party Station Service Ramapo PAR Rebate	**Not currently in the DSS**
1155 Total NYISO-wide - 3rd Party Station Service Station 80 Rebate	**Not currently in the DSS**
1156 Total NYISO-wide - 3rd Party Station Service Regulation & Frequency Response Service Rebate	**Not currently in the DSS**
1157 Total NYISO-wide - 3rd Party Station Power Operating Reserves Service Rebate	**Not currently in the DSS**
1158 Total NYISO-wide - 3rd Party Station Service Black Start Service Rebate	**Not currently in the DSS**
1159 Total NYISO-wide - 3rd Party Station Service Local Black Start Rebate	**Not currently in the DSS**
1160 Total NYISO-wide - 3rd Party Station Service Regulated Transmission Projects Rebate	**Not currently in the DSS**

Transmission Congestion Contract Statement

Objects from the TCC Universe

904 OATT RS1 Annual Budget Charge - TCC	=<Day TCC OATT Sched 1 Annual Budget Charge Stlmnt ($)>
905 OATT RS1 FERC Fees - TCC	=<Day TCC OATT Sched 1 FERC Fees Stlmnt ($)>
=<TCC ID>	=<Day TCC Rent Stlmnt ($)>

Transmission Owner Statement

Objects from the Transmission Owners Universe

OATT Attachment N: Congestion Balancing Settlement ($)	=<Day DAM Resid Cong Stlmnt - TO ($)>
OATT Attachment H: External Transmission Service (MWh)	=Hr TSC Ext Energy (MWh)
OATT Attachment H: NYPA Transmission Access Settlement ($)	=<Day NTAC (NYPA) ($)>
1015 Ramapo Phase Angle Regulator	=<Day Ramapo PAR Stlmnt - TO ($)>
1016 Station 80 Payment	=<Day Station 80 Stlmnt – TO ($)>
4006 Regulated Transmission Projects Payment	=<Day Reg Trans Project Stlmnt: Dev ($)>

Demand Response Statement

Objects from the Demand Response Universe

2012 Load Reduction	=<Day DADRP Reduction ($)>
2015 Load Reduction Uplift	=<Day DADRP BCG Stlmnt ($)>
2013 Demand Response Penalty	=<Day DADRP Penalty - DRP ($)> +<Day DADRP Penalty - LSE ($)>
2011 Demand Response Incentive	=<Day DADRP Incentive ($)>
2014 Demand Reduction Load Balancing	=<Day DADRP Load Balance ($)>
2025 EDRP Demand Response Reduction MWHr	=<Day EDRP Reduction (MW)>
2026 EDRP Demand Response Credit $	=<Day EDRP Stlmnt ($)>
2027 SCR Demand Response Reduction MWHr	=<Day SCR Reduction (MW)>
2028 SCR Demand Response Credit $	=<Day SCR Stlmnt ($)>
2029 SCR Demand Response Bid Cost Guarantee $	=<Day SCR Bid Cost Guarantee ($)>
2040 OATT RS1 Annual Budget Charge - SCR/EDRP	=< Day EDRP/SCR OATT Sched 1 Annual Budget Charge Stlmnt ($)>

For Information Only:	
Load Reduction Overcollection Payment	Not currently in the DSS
Load Reduction Bid Guarantee	=<Hr Total DADRP Cost ($)>

Virtual Bidding Statement

Objects from the Virtual Market Universe

771 DAM Virtual Load LBMP Energy Sales	=<Day Total DAM VLoad Stlmnt ($)>
774 Balancing Virtual Load LBMP Energy Sales	=<Day Total BalMkt VLoad Stlmnt ($)>
773 DAM Virtual Load LBMP Energy Expenditure	=<Day Total DAM VSupply Stlmnt ($)>
775 Balancing Virtual Load LBMP Energy Expenditure	=<Day Total BalMkt VSupply Stlmnt ($)>
778 OATT RS1 Annual Budget Charge - Virtuals	=<Day VSupply OATT Sched 1 Annual Budget Charge Stlmnt ($)> +<Day VLoad OATT Sched 1 Annual Budget Charge Stlmnt ($)>
779 OATT RS1 FERC Fees - Virtuals	=<Day VSupply OATT Sched 1 FERC Fees Stlmnt ($)> +<Day VLoad OATT Sched 1 FERC Fees Stlmnt ($)>

Working Capital Statement

Objects from the Invoice Support Universe

Type ID	=<Mo Wrk Cp Type Id>
Transaction Date	=<Mo Wrk Cp Effective Date>
Type Description	=<Mo Wrk Cp Type Description>
Amount	=<Mo Wrk Cp Rate ($/MWh)>
Transaction Description	=<Mo Wrk Cp Transaction Desc>

Section Two

POWER SUPPLIERS

FORWARD ENERGY

Billing Codes:

Hourly Statement
202 = DAM Hrly LBMP MWh
203 = DAM Hrly LBMP $
204 = DAM Forward energy $
205 = DAM BPCG $
206 = DAM Startup $
Daily Statement
300 = DAM LBMP MWh
301 = DAM Forward Energy $
302 = DAM BPCG $

Calculations:

For each hour 204 = 202 * 203

To calculate the Daily bill codes use the following formulas

300 = Σ202
301 = Σ204
302 = Σ{Max [(Σ205 + Σ206), 0] for each unit}

To derive the *Power Supplier Monthly Statement* invoice amounts listed on the *Consolidated Invoice – Invoice Detail Report:*

300 Forward Energy = Σ300
301 Forward Energy = Σ301
302 DAM Bid Production Cost Guarantee = Σ302

BALANCING ENERGY

Billing Codes:

Hourly Statement
207 = Hrly R/T MWh
208 = Hrly R/T Bus LBMP $
209 = Hrly R/T Energy $
210 = R/T BPCG $
211 = R/T Startup $
238 = Hrly LRR DAM Contract Bal Pmnt $
239 = Hrly DAM Contract Bal Pmnt $
252 = Hrly Reg Rev Adj $
253 = Hrly Sup Event Credit $
263 = Hr RT Mitigated Startup Cost
264 = Hr RT Mitigated MinGen Cost
269 = Hr RT Retail Withdrawls Energy Gen MWh
270 = Hr RT Rebate for Retail Withdreawals
271 = Hr RT Storage Withdrawal NTAC/TSC MWh
272 = Hr RT NTAC Charge for Withdrawals
273 = DER Demand Reduction MWh
274 = DER Demand Reduction Payment $
Daily Statement
303 = R/T MWh
304 = R/T Energy $
305 = R/T BPCG $
313 = DAM Contract Balancing Payment $
316 = Regulation Rev Adj $
317 = Sup Event Credit $
327 = RT BPCG Mitigation Charge
328 = Margin Restoration (MOB) Payment $
332 = RMR Generator Avoidable Cost Adjustment
333 = RMR Generator Variable Cost Adjustment
341 = Retail Withdrawals Rebate
342 = Storage Withdrawal NTAC Charge
2050 = DER Demand Reduction MWh
2051 = DER Demand Reduction Payment $

Calculations:

In order to compute the hourly settlement values for Billing Codes 207 through 211, it is necessary to time & load weight each RTD interval level settlement over the respective hour.

To calculate the Daily bill codes use the following formulas

303 = Σ207
304 = Σ209
305 = Σ{Max [(Σ210 + Σ211), 0] for each unit}
313 = Σ238 + Σ239
316 = Σ252
317 = Σ253
327 = If 305 < = 0, then 327 = 0,
Else If Σ(263,264) = 0 (i.e. no conduct failure), then 327 = 0,
Else If Σ(263,264) < 0, then 327 = 305,
Else If 305/ Σ(263,264) > applicable threshold (impact test), then 327 = 305 – Σ(263,264),
Else 327 = 0
2050 = Σ273

To derive the *Power Supplier Monthly Statement* invoice amounts listed on the *Consolidated Invoice – Invoice Detail Report:*

303 Balancing Energy = Σ303
304 Balancing Energy = Σ304 +Σ313
305 R/T Bid Production Cost Guarantee = Σ305 + Σ316 + Σ317 - Σ327
328 Margin Restoration (MOB) Payment $ = Σ328
332 RMR Generator Avoidable Cost Adjustment = Σ332
333 RMR Generator Variable Cost Adjustment = Σ333
341 Retail Withdrawals Rebate = Σ270
342 Storage Withdrawal NTAC = Σ272
2051 DER Demand Reduction Payment = Σ274

VOLTAGE SUPPORT SERVICE PAYMENTS & CHARGES

Billing Codes:

Hourly Statement
212 = Monthly Voltage Service $
213 = % In Service
214 = Voltage Support $
215 = Hrly VSS LOC $
Daily Statement
306 = Voltage Support $
307 = VSS LOC $

Calculations:

For each hour:

For each ICAP Unit: 214 = Σ[(212 * MVar compensation amount) ÷ Number of hours in the month]

For each internal Non-ICAP Unit: 214 = Σ[(212 * MVar compensation amount) * (213 ÷ 100) ÷ Number of hours in the month]

For each external Non-ICAP Unit: 214 = 0

To calculate the Daily bill codes use the following formulas:

306 = Σ214

307 = Σ215

To derive the *Power Supplier Monthly Statement* invoice amounts listed on the *Consolidated Invoice – Invoice Detail Report:*

306 Reactive Supply and Voltage Control Availability Pymt. = Σ306

307 Reactive Supply and Voltage Control LOC Pymt. = Σ307

REGULATION SERVICE PAYMENTS & CHARGES

Billing Codes:

Hourly Statement
217 = Hrly DAM Reg Avail
218 = Hrly DAM Reg MCP $
222 = Regulation Charge $
251 = Hrly Bal Mkt Reg Avail $
266 = Hrly RT Reg Movement $
267 = Hrly Reg Performance Charge $
Daily Statement
308 = Regulation Payment $
309 = Regulation Charge $
329 = Regulation Movement $
330 = Regulation Performance Charge $

Calculations:

To calculate the Daily bill codes use the following formulas:

308 = Σ[(217 * 218) by unit + 251]
309 = Σ222
329 = Σ266
330 = Σ267

To derive the *Power Supplier Monthly Statement* invoice amounts listed on the *Consolidated Invoice – Invoice Detail Report:*

308 Regulation and Frequency Response Avail Payment = Σ308+Σ329-Σ330
309 Regulation and Frequency Response Penalty Charge = -Σ309

OPERATING RESERVES SERVICE

Billing Codes:

Hourly Statement
223 = Hrly 30 Min MCP $
224 = Hrly 30 Min Res MWHr
227 = Hrly 30 Min Res Avail $
228 = Hrly Synch Res MCP $
229 = Hrly Synch Res MWHr
232 = Hrly Synch Res Avail $
233 = Hrly 10 Min Non Synch Res MCP $
234 = Hrly 10 Min Non Synch Res MWHr
237 = Hrly 10 Min Non Synch Res Avail $
Daily Statement
310 = Operating Reserve Payment $

Calculations:

To calculate the DAM Operating Reserves use the following formulas:

30 Minute Balancing Operating Reserve = Σ(223 * 224)
Synchronous Balancing Operating Reserve = Σ(228 * 229)
10 Minute Non-Synchronous Balancing Operating = Σ(233 * 234)

To calculate the balancing market Operating Reserves use the following formulas:

30 Minute Balancing Operating Reserve = Σ227 - Σ(223 * 224)
Synchronous Balancing Operating Reserve = Σ232 - Σ(228 * 229)
10 Minute Non-Synchronous Balancing Operating = Σ237 - Σ(233 * 234)

To calculate the Daily bill codes use the following formulas:

310 = Σ(227 + 232 + 237)

To derive the *Power Supplier Monthly Statement* invoice amounts listed on the *Consolidated Invoice – Invoice Detail Report:*

310 Operating Reserves Service Availability Payment = Σ310

BLACK START SERVICE PAYMENTS AND CHARGES

Billing Codes:

Hourly Statement
1007 = Local Black Start/Rest Payment $
Daily Statement
312 = Black Start Service Payment $
1017 = Local Black Start/Rest Payment $

Calculations:

To calculate the Daily bill codes use the following formulas:

1017 = Σ1007

To derive the *Power Supplier Monthly Statement* invoice amounts listed on the *Consolidated Invoice – Invoice Detail Report:*

312 Black Start Service Payment = Σ312

1017 Local Black Start and Restoration Services Payment = Σ1017

OATT RATE SCHEDULE 1 CHARGES

Billing Codes:

Hourly Statement
254 = Injection MWHRr
257 = S SC&D OAT Inject Rate (Note: Rounded to two decimal places – find the exact rate in the Sched 1 filing to prove these calculations.)
258 = S SC&D OAT Inject Charge $
268 = FERC Fees OAT Inject Charge $
Daily Statement
318 = Injection MWHr
321 = S SC&D OAT Inject Rate
322 = S SC&D OAT Inject Charge $
331 = FERC Fees OAT Inject Charge $

Calculations:

To calculate the Daily bill codes use the following formulas:

318 = Σ254
322 = Σ258
331 = Σ268

To derive the *Power Supplier Monthly Statement* invoice amounts listed on the *Consolidated Invoice – Invoice Detail Report:*

322 OATT RS1 Net Annual Budget Charge – Injections - Generator = - (Σ322 + Σ2037)
331 OATT RS1 FERC Fees – Injections – Generator = - (Σ331 + Σ2044)

LSE LBMP ENERGY

FORWARD LBMP ENERGY

Billing Codes:

Hourly Statement
402 = DAM Hrly LBMP MWh
403 = DAM LBMP $
404 = Hrly Fwd Energy $
405 = Hrly Fwd Loss $
406 = Hrly Fwd Cong $
Daily Statement
700 = DAM LBMP MWh
701 = Fwd Energy $
702 = Fwd Loss $
703 = Fwd Cong $

Calculations:

For each hour:

404 = (402 * Energy Component of 403)
405 = (402 * Losses Component of 403)
406 = [402 * - (Congestion Component of 403)]

To calculate the Daily bill codes use the following formulas:

700 = Σ402
701 = Σ404
702 = Σ405
703 = Σ406

To derive the *Transmission Customer Monthly Statement* invoice amounts listed on the *Consolidated Invoice – Invoice Detail Report:*

701 Forward Energy $ = - (Σ701 + Σ702 + Σ703 + Σ759) + Σ783
700 Forward Energy = Σ700 + Σ758

BALANCING LBMP ENERGY

Billing Codes:

Hourly Statement
407 = LSE Hrly R/T MWh
408 = R/T LBMP $
409 = Hrly R/T Energy $
410 = Hrly R/T Loss $
411 = Hrly R/T Cong $
Daily Statement
704 = LSE R/T MWh
705 = R/T Energy $
706 = R/T Loss $
707 = R/T Cong $

Calculations:

In order to compute the hourly settlement values for billing codes 407 through 411, it is necessary to time & load weight each RTD interval level settlement over the respective hour.

For each hour:

409 = (407 * Energy Component of 408)
410 = (407 * Losses Component of 408)
411 = [407 * - (Congestion Component of 408)]

To calculate the Daily bill codes use the following formulas:

704 = Σ407
705 = Σ409
706 = Σ410
707 = Σ411

To derive the *Transmission Customer Monthly Statement* invoice amounts listed on the *Consolidated Invoice – Invoice Detail Report:*

705 Balancing Energy $ = - Σ(705 + 706 + 707 + 764 + 776 + 777) + Σ787
704 Balancing Energy = Σ704 + Σ763

FORWARD MARKET TRANSMISSION USAGE CHARGES

Billing Codes:

Hourly Statement
501 = DAM Scheduled Transactions
502 = Hrly Transaction DAM Loss
503 = Hrly Transaction DAM Congestion $
504 = Hrly DAM TUC $
Daily Statement
750 = DAM Scheduled Transactions
751 = Transaction DAM Loss $
752 = Transaction DAM Congestion $
753 = DAM TUC $

Calculations:

For each hour 504 = (502 + 503)

To calculate the Daily bill codes use the following formulas:

750 = Σ501
751 = Σ502
752 = Σ503
753 = Σ504
753 = 751 + 752

To derive the *Transmission Customer Monthly Statement* invoice amounts listed on the *Consolidated Invoice – Invoice Detail Report:*

751 Forward Loss Charge = - (Σ751 + Σ760)
752 Forward Congestion Charge = - (Σ752 + Σ761)

BALANCING MARKET TRANSMISSION USAGE CHARGES

Billing Codes:

Hourly Statement
505 = R/T Scheduled Transactions
506 = R/T Loss $
507 = R/T Congestion $
508 = Hrly R/T TUC $
530 = Hrly Fin Impact Charge $
Daily Statement
754 = R/T Schedule Transactions
755 = R/T Loss $
756 = R/T Congestion $
757 = R/T TUC $
776 = Fin Impact Charge $

Calculations:

In order to compute the hourly settlement values for billing codes 505 through 508, it is necessary to time & load weight each RTD interval level settlement over the respective hour.

For each hour 508 = 506 + 507

To calculate the Daily Bill Codes use the following formulas:

754 = Σ505
755 = Σ506
756 = Σ507
757 = Σ508
757 = 755 + 756
776 = Σ530

To derive the *Transmission Customer Monthly Statement* invoice amounts listed on the *Consolidated Invoice – Invoice Detail Report:*

755 Balancing Loss Charge = - (Σ755 + Σ765)
756 Balancing Congestion Charge = - (Σ756 + Σ766)
- Σ776 is included in the amount listed as 705 Balancing Energy

FORWARD MARKET

Billing Codes:

Hourly Statement
511 = DAM LBMP Market MWHr
512 = DAM LBMP Market Energy $
513 = DAM LBMP Market Loss $
514 = DAM LBMP Market Cong $
515 = DAM LBMP Market LBMP $
528 = DAM Bid Cost Guarantee
Daily Statement
758 = DAM LBMP Market MWh
759 = DAM LBMP Market Energy $
760 = DAM LBMP Market Loss $
761 = DAM LBMP Market Cong $
762 = DAM LBMP Market LBMP $
768 = DAM Bid Cost Guarantee

Calculations:

For each hour 515 = 512 + 513 + 514

To calculate the Daily bill codes use the following formulas:

758 = Σ511
759 = Σ512
760 = Σ513
761 = Σ514
762 = Σ515
762 = 759 + 760 + 761
768 = Σ[Max (Σ528, 0) for each unit]

To derive the *Transmission Customer Monthly Statement* invoice amounts listed on the *Consolidated Invoice – Invoice Detail Report:*

768 DAM External Bid Production Cost Guarantee $ = Σ768
Σ758 is included in the amount listed as 700 Forward Energy
-Σ762 is included in the amount listed as 701 Forward Energy $

BALANCING MARKET

Billing Codes:

Hourly Statement
516 = R/T LBMP Market MWHr
517 = R/T LBMP Market Energy $
518 = R/T LBMP Market Loss $
519 = R/T LBMP Market Cong $
520 = R/T LBMP Market LBMP $
529 = R/T Bid Cost Guarantee
531 = Hrly Fin Impact Charge $
Daily Statement
763 = R/T LBMP Market MWh
764 = R/T LBMP Market Energy $
765 = R/T LBMP Market Loss $
766 = R/T LBMP Market Cong $
767 = R/T LBMP Market LBMP $
769 = R/T Bid Cost Guarantee
777 = Fin Impact Charge $

Calculations:

In order to compute the hourly settlement values for billing codes 516 through 529, it is necessary to time & load weight each RTD interval level settlement over the respective hour.

For each hour 520 = 517 + 518 + 519

To calculate the Daily bill codes use the following formulas:

763 = Σ516
764 = Σ517
765 = Σ518
766 = Σ519
777 = Σ531
767 = Σ520
767 = Σ(764 + 765 + 766)
769 = Σ[Max (Σ529, 0) for each unit]

To derive the *Transmission Customer Monthly Statement* invoice amounts listed on the *Consolidated Invoice – Invoice Detail Report:*

769 R/T External Bid Production Cost Guarantee $ = Σ769
Σ763 is included in the amount listed as 704 Balancing Energy
-Σ767 -Σ777 are included in the amount listed as 705 Balancing Energy $

ANCILLARY SERVICES

Billing Codes:

Hourly Statement
600 = Hrly Ancillary services Billing MWHr
601 = Hrly Ext Export Transactions MWHr
602 = Hrly Ext Wheel Thru Transactions MWHr
603 = NTAC Rate
604 = NTAC Charge $
605 = Voltage Support Rate
606 = Hrly VSS charge $
610 = Hrly Reserve Chg $
611 = Residual Adjustment $
612 = Hrly Reg Charge $
613 = Black start Charge $
614 = S SC&D OAT Rate (Note: Rounded to two decimal places – find the exact rate in the Sched 1 filing to prove these calculations.)
615 = S SC&D OAT Charge $
617 = LRR Black Start Charge $
618 = Hrly Reg Rev Adj $
620 = Hrly Fin Impact Credit $
621 = Hrly Ext LBMP Export Transactions MWHr
622 = Hrly Ext Import Transactions MWHr
257 = S SC&D OATT Inject Rate (Note: Rounded to two decimal places – find the exact rate in the Sched 1 filing to prove these calculations.)
624 = S SC&D OAT Inject Charge $
631 = ISONE Schedule
632 = ISONE NTAC Rate
633 = HQ Schedule
634 = HQ NTAC Rate
635 = OH Schedule
636 = OH NTAC Rate
637 = PJM Schedule
638 = PJM NTAC Rate
639 = Ramapo PAR Charge $
640 = Station 80 Charge $
641 = Local Black Start/Rest Charge $

642 = EDRP/SCR Demand Response Charge $ (Local)
643 = EDRP/SCR Demand Response Charge $ (NYISO-wide)
644 = FERC Fees OAT WD Charge $
645 = FERC Fees OAT Inject Charge $
646 = Fee Exempt Import MWHr
647 = Fee Exempt Export MWHr
651 = DER Demand Reduction Charge $
Dally Statement
800 = Ancillary Services Billing MWHr
801 = External Export Transactions MWHr
802 = External Wheel Thru Transactions MWHr
803 = NTAC Charges $
804 = VSS Charge $
806 = Reserve Charge $
807 = R&FR Charge $
808 = Black Start Charge $
809 = S SC&D OAT Charge $
810 = LRR Uplift Charge $
811 = LRR Black Start Charge $
812 = NYISO-Wide Uplift Charge $
813 = Residual Adjustments $
814 = Demand Response Program Uplift
815 = Incremental Uplift
817 = Regulation Rev Adj $
818 = Sup Event Charge $
819 = Fin Impact Credit $
824 = External LBMP Export Transactions MWHr
825 = External Import Transactions MWHr
827 = S SC&D OAT WD Rate (Note: Rounded to two decimal places – find the exact rate in the Sched 1 filing to prove these calculations.)
829 = S SC&D OAT Inject Charge $
836 = Ramapo PAR Charge $
837 = Station 80 Charge $
838 = Local Black Start/Rest Charge $
839 = Margin Restoration (MOB) Charge $
840 = EDRP/SCR Demand Response Charge $ (Local)
841 = EDRP/SCR Demand Response Charge $ (NYISO-wide)
4004 = Regulated Transmission Projects Charge $

842 = FERC Fees OAT WD Charge $
843 = FERC Fees OAT Inject Charge $
846 = Fee Exempt Import MWHr
847 = Fee Exempt Export MWHr
848 = RMR LSE Avoidable Cost Allocation
849 = RMR LSE Variable Cost Allocation
851 = DER Demand Reduction Charge $

Calculations:

For each hour:

600 = 402 + 407 + 501 + 505 + 511 [Exports Only] + 516 [Exports Only] + Any Bilateral Transaction MWHr scheduled by a different Billing Organization for which customer is the Point of Delivery

601 = 501 + 505 + 511 + 516 + Any Export Bilateral Transaction MWHr scheduled by a different Billing Organization for which customer is the Point of Delivery (exports only)

602 = 501 + 505 + Any Wheel-Through Bilateral Transaction MWHr scheduled by a different Billing Organization for which customer is the Point of Delivery (Wheels-Through only)

604 = 603 * 600 (LSEs)

604 = (631 * 632) + (633 * 634) + (635 * 636) + (637 * 638) (Transaction Customers)

606 = 605 * (601 + 602)

To calculate the Daily bill codes use the following formulas:

800 = Σ600
801 = Σ601
802 = Σ602
803 = Σ604
804 = Σ606
806 = Σ610
813 = Σ611
807 = Σ612
808 = Σ613
809 = Σ615
811 = Σ617
817 = Σ618
819 = Σ620
824 = Σ621
825 = Σ622
829 = Σ624
836 = Σ639

837 = Σ640
838 = Σ641

810 = the sum of the customer's ratio share in the subzones of the relevant suppliers of the daily Bid Production Cost Guarantee payments made to suppliers that are committed in the DA or RT markets for local reliability
812 = the sum of (1) the summation of customer's ratio share NYISO-wide of daily Bid Production Cost Guarantee payments made to suppliers and (2) the summation of customer's ratio share NYISO-wide of the daily Bid Production Cost Guarantee payments made to transaction owners
818 = the sum of the customer's ratio share NYISO-wide of the daily Supplemental Event Credits paid to the suppliers
840 = Σ642 + the sum of the customer's subzonal load ratio share of the daily Bid production Cost Guarantee payments made to the relevant SCR resources that are called in a local SCR event..
841 = Σ643 + the sum of the customer's NYISO-wide load ratio share of the daily Bid production Cost Guarantee payments made to SCR resources that are called in a NYISO SCR event.

To derive the *Transmission Customer Monthly Statement* invoice amounts listed on the *Consolidated Invoice – Invoice Detail Report:*

800 Ancillary Service = Σ800
803 NYPA Transmission Adjustment Charge [NTAC] = -Σ803
804 Reactive Supply & Voltage Control Service = -Σ804
806 Operating Reserves Service = -Σ806
807 Regulation & Frequency Response Service = - (Σ807 + Σ817)
808 Black Start Service = -Σ808
810 Local Reliability Related Uplift = -Σ810
812 NYISO-wide Uplift = - (Σ812 + Σ818 + Σ815)
813 Residual Adjustments = -Σ813
814 Demand Response Program Uplift = -Σ814
836 Ramapo Par Charge = -Σ836
837 Station 80 Charge = -Σ837
838 Local Black Start and Restoration Services = -Σ838
839 Margin Restoration (MOB) Charge $ = -Σ839
840 Local EDRP/SCR Demand Response Charge – LSE Load = -Σ840
841 NYISO-wide EDRP/SCR Demand Response Charge – LSE Load = -Σ841
809 OATT RS1 Net Annual Budget Charge – Withdrawals – Internal Loads, Exports and Wheels = - Σ809
819 Failed Transaction Financial Impact Credit = -Σ819
829 OATT RS1 Net Annual Budget Charge – Injections – Imports and Wheels= - Σ829
842 OATT RS1 FERC Fees - Withdrawals – Internal Loads, Exports and Wheels = Σ842
843 OATT RS1 FERC Fees - Injections – Imports and Wheels = Σ843
4004 Regulated Transmission Projects Charge $ = -Σ4004
848 RMR LSE Avoidable Cost Allocation = -Σ848
849 RMR LSE Variable Cost Allocation = -Σ849
851 DER Demand Reduction Charge $ = -Σ851

TCC (Transmission Congestion Contract)

Billing Codes:

Hourly Statement
901 = TCC credit
Daily Statement
903 = TCC credit

Calculations:

To calculate the Daily bill codes use the following formulas:

903 = Σ901

904 OATT RS1 Annual Budget Charge – TCC = Σ904

905 OATT RS1 FERC Fees – TCC = Σ905

To derive the *Transmission Congestion Contract Monthly Statement* invoice amounts listed on the *Consolidated Invoice – Invoice Detail Report:*

Σ903 by Contract ID

DEMAND RESPONSE PROGRAMS

Billing Codes:

Hourly Statement
2002 = DAM Demand Reduction Schedule MWHr
2003 = Demand Reduction Actual MWHr
203 = DAM LBMP (Generator)
403 = DAM LBMP (Zonal)
2004 = R/T LBMP (Generator- Time weighted not Load weighted)
408 = R/T LBMP (Zonal)
2005 = Demand Response Incentive $
2006 = Demand Response Reduction $
2007 = Demand Response Penalty $
2008 = Demand Reduction Load Balancing $
2009 = Load Reduction Bid Guarantee $
2030 = Sched 1 MWHr
257 = S SC&D OAT Inject Rate

2032 = S SC&D OAT Inject Charge $
2020 = EDRP Demand Response Reduction MWHr
2021 = EDRP Demand Response Credit $
2022 = SCR Demand Response Reduction MWHr
2023 = SCR Demand Response Credit $
2042 = Annual Budget OAT SCR/ EDRP Charge $
2043 = Annual Budget OAT SCR/ EDRP Rate
2045 = FERC Fees OAT inject Charge $
Daily Statement
2010 = Demand Reduction MWr
2011 = Demand Response Incentive $
2012 = Demand Response Reduction $
2013 = Demand Response Penalty $
2014 = Demand Reduction Load Balancing $
2015 = Load Reduction Bid Guarantee $
2035 = Sched 1 MWHr
2037 = S SC&D OAT Inject Charge $
2025 = EDRP Demand Response Reduction MWHr
2026 = EDRP Demand Response Credit $
2027 = SCR Demand Response Reduction MWHr
2028 = SCR Demand Response Credit $
2029 = SCR Demand Response Bid Cost Guarantee $
2040 = Annual Budget OAT SCR/ EDRP Charge $
2041 = Annual Budget OAT SCR/ EDRP Rate
2044 = FERC Fees OAT Inject Charge $

Calculations:

To calculate the Daily bill codes use the following formulas:

2010 = Σ2003
2011 = Σ2005
2012 = Σ2006
2013 = Σ2007
2014 = Σ2008
2015 = Max (Σ2009, 0)
2035 = Σ2030
2037 = Σ2032
2025 = Σ2020
2026 = Σ2021

2027 = Σ2022
2028 = Σ2023
2040 = Σ2042
2044 = Σ2045

To derive the *Demand Response Monthly Statement* invoice amounts listed on the *Consolidated Invoice – Invoice Detail Report:*

2011 Demand Response Incentive = Σ2011
2012 Load Reduction = Σ2012
2013 Demand Response Penalty = Σ2013
2014 Demand Reduction Load Balancing = Σ2014
2015 Load Reduction Uplift = Σ2015
Σ2037 is included in the amount listed on the *Power Supplier Statement* as 320 322 Scheduling System Control & Dispatch Service - Injections
2025 EDRP Demand Response Reduction MWHr = Σ2025
2026 EDRP Demand Response Credit $ = Σ2026
2027 SCR Demand Response Reduction MWHr = Σ2027
2028 SCR Demand Response Credit $ = Σ2028
2029 SCR Demand Response Bid Cost Guarantee $ = Σ2029
2040 OATT RS1 Annual Budget Charge - SCR/EDRP = Σ2040

FORWARD LOAD & SUPPLY

Billing Codes:

Hourly Statement
412 = Virtual Load MWh
413 = DAM Virtual Load $
414 = Virtual Supplier MWh
415 = DAM Virtual Supplier $
418 = Annual Budget OAT Virtuals Charge $
419 = FERC Fees OAT Virtuals Charge $
420 = Annual Budget OAT Virtuals Rate
Daily Statement
770 = Virtual Load MWh
771 = DAM Virtual Load $
772 = Virtual Supplier MWh
773 = DAM Virtual Supplier $
778 = Annual Budget OAT Virtuals Charge $
779 = FERC Fees OAT Virtuals Charge $
790 = Annual Budget OAT Virtuals Rate

Calculations:

To calculate the Daily Bill codes use the following formulas:

770 = Σ412
771 = Σ413
772 = Σ414
773 = Σ415
778 = Σ418
779 = Σ419

To derive the *Virtual Bidding Monthly Statement* invoice amounts listed on the *Consolidated Invoice – Invoice Detail Report:*

771 DAM Virtual Load LBMP Energy Sales = -Σ771
773 DAM Virtual Load LBMP Energy Expenditure = Σ773

BALANCING LOAD & SUPPLY & FEES

Billing Codes:

Hourly Statement
416 = Balancing Virtual Load $
417 = Balancing Virtual Supply $
418 = Annual Budget OAT Virtuals Charge $
419 = FERC Fees OAT Virtuals Charge $
420 = Annual Budget OAT Virtuals Rate
Daily Statement
774 = Balancing Virtual Load $
775 = Balancing Virtual Supplier $
778 = Annual Budget OAT Virtuals Charge $
779 = FERC Fees OAT Virtuals Charge $
790 = Annual Budget OAT Virtuals Rate

Calculations:

To calculate the Daily bill codes use the following formulas:

774 = Σ416
775 = Σ417
778 = Σ418
779= Σ419

To derive the *Virtual Bidding Monthly Statement* invoice amounts listed on the *Consolidated Invoice – Invoice Detail Report:*

774 Balancing Virtual Load LBMP Energy Sales = -Σ774
775 Balancing Virtual Load LBMP Energy Expenditure = Σ775
778 OATT RS1 Annual Budget Charge – Virtuals = Σ778
779 OATT RS1 FERC Fees – Virtuals = Σ779

TRANSMISSION PROVIDERS

(This section includes Transmission Owners, NTAC, and DAM Congestion Balancing)

Billing Codes:

1002 = Ext TSC IMWHr
1003 = NTAC Credit
1005 = Ramapo PAR Credit $
1006 = Station 80 Credit $
1012 = NTAC Credit
1013 = IMWM Coefficient
1014 = Excess Cong credit
1015 = Ramapo PAR Credit $
1016 = Station 80 Credit $
4006 = Regulated Transmission Projects Credit $

Calculations:

To calculate the Daily Bill codes use the following formulas:

1012 = Σ1003
1015 = Σ1005
1016 = Σ1006

To derive the *Transmission Owner Monthly Statement* invoice amounts listed on the *Consolidated Invoice – Invoice Detail Report:*

OATT Attachment H: NYPA Transmission Access Settlement ($) = Σ1012
OATT Attachment H: External Transmission Service (MWh) = Σ1002
OATT Attachment N: Congestion Balancing Settlement ($) = Σ1014
1015 Ramapo Phase Angle Regulator = Σ1015
1016 Station 80 Payment = Σ1016
4006 Regulated Transmission Projects Credit ($) = Σ4006

TRADING HUB LBMP TRANSACTIONS

FORWARD MARKET

Billing Codes

Hourly Statement
540 = DAM Hrly Trading Hub MW
541 = DAM Hrly Trading Hub Energy $
542 = DAM Hrly Trading Hub Loss $
543 = DAM Hrly Trading Hub Cong $
544 = DAM Hrly Trading Hub LBMP $
Daily Statement
780 = DAM Trading Hub Energy $
781 = DAM Trading Hub Loss $
782 = DAM Trading Hub Cong $
783 = DAM Trading Hub LBMP $

Calculations:

For each hour 544 = 541 + 542 + 543

To calculate the Daily bill codes use the following formulas:

780 = Σ541
781 = Σ542
782 = Σ543
783 = Σ544

To derive the *Transmission Customer Monthly Statement* invoice amounts listed on the *Consolidated Invoice – Invoice Detail Report:*

Σ783 DAM Trading Hub LBMP $ is included in the amount listed as 701 Forward Energy $

BALANCING MARKET

Billing Codes

Hourly Statement:
545 = R/T Hrly Trading Hub MW
546 = R/T Hrly Trading Hub Energy $
547 = R/T Hrly Trading Hub Loss $
548 = R/T Hrly Trading Hub Cong $
549 = R/T Hrly Trading Hub LBMP $
Daily Statement:
784 = R/T Trading Hub Energy $
785 = R/T Trading Hub Loss $
786 = R/T Trading Hub Cong $
787 = R/T Trading Hub LBMP $

Calculations:

For each hour 549 = 546 + 547 + 548

To calculate the Daily bill codes use the following formulas:

784 = Σ546
785 = Σ547
786 = Σ548
787 = Σ549

To derive the *Transmission Customer Monthly Statement* invoice amounts listed on the *Consolidated Invoice – Invoice Detail Report:* Σ787 R/T Trading Hub LBMP $ is included in the amount listed as 705 Balancing Energy $

LSE - STORAGE WITHDRAWALS

Billing Codes

Hourly Statement:
648= Hrly Retail Withdrawals (MWh)
649= Hrly RT Withdrawal Gen LBMP ($/MWh)
650 = Hrly RT Charge for Retail Withdrawal by Gen - LSE $
Daily Statement:
850 = Day RT Charge for Retail Withdrawals by Gens –LSE $
852 = Day Retail Withdrawals (MWh)

Calculations:

To calculate the Daily bill codes use the following formulas:

850 = Σ650

Section Three

FILE ONE: Hourly Data

I. Power Supplier Data (Hourly)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
100	Org Name	VARCHAR2(50)	ID	Name of the Organization			Cust Sttlmt – Power Suppliers / Organization	Org Name
200	Gen name	VARCHAR2(50)	ID	Name for the Generator			Cust Sttlmt – Power Suppliers / Generators	Gen Name
201	Gen Ptid	NUMBER(5)	ID	NYISO assigned point identifier			Cust Sttlmt – Power Suppliers / Generators	Gen PTID
101	Start day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust Sttlmt – Power Suppliers / Time/Day	Interval Start Day (Eastern) Note: Format is slightly different. DSS format is MM/DD/YYYY.
102	Start hour	NUMBER(2)	Hour	Start Hour			Cust Sttlmt – Power Suppliers / Time/Hour	Interval Start Hour (Eastern)
202	Day Ahead Hrly LBMP MWh	NUMBER(17,4)	MWh	LBMP MWs sold Day-Ahead, based on decremental bid may be (-) which results in a purchase of LBMP MWs Day-Ahead (Day-Ahead Scheduled MWs – Bilateral Transaction MWs)	+ = Sale to the ISO		Cust Sttlmt – Power Suppliers / DAM Energy Settlement/Hourly/Billing Determinants	Hr NYISO DAM Energy (MW)
203	Day Ahead Hrly LBMP $	NUMBER(15,2)	$$	LBMP price at this generator bus			Cust Sttlmt – Power Suppliers / DAM Energy Settlement/Hourly/Billing Determinants	DAM Total Price: Gen ($/MW)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
204	DAM forward Energy $	NUMBER(15,2)	$$	Generator total DAM LBMP value	+ = Due Generator		Cust Sttlmt – Power Suppliers / DAM Energy Settlement/Hourly/Stlmnt Results	Hr Total DAM Stlmnt: Gen ($)
205	DAM BPCG $	NUMBER(15,2)	$$	Generator bid production cost	+ = Due Generator		Cust Sttlmt – Power Suppliers / DAM BPCG Settlement/Intermediate Calculations	Hr DAM Total Net Cost ($)
206	DAM Startup $	NUMBER(15,2)	$$	Start up payment	+ = Due Generator		Cust Sttlmt – Power Suppliers / DAM BPCG Settlement/Billing Determinants	Day DAM Start Up Cost ($)
207	Hrly R/T MWh	NUMBER(17,4)	MWh	Time weighted hourly MWh value to be billed, can be calculated using the actual metered, SCD ramped base point or AGC ramped base point at each SCD interval as the net from day ahead to real time.	+ = Sale to the ISO		Cust Sttlmt – Power Suppliers / BalMkt Energy Settlement/Hourly/Other Related Info	Hr Gen BalMkt Energy (MWh) + Hr CLR (MW)
208	Hrly R/T Bus LBMP $	NUMBER(15,2)	$$	Time and load weighted hourly Real-Time LBMP price at this generator bus			Cust Sttlmt – Power Suppliers / BalMkt Energy Settlement/Hourly/Other Related Info	Hr RT Total Price: Gen ($/MW)
209	Hrly R/T Energy $	NUMBER(15,2)	$$	Generator total balancing LBMP value	+ = Due Generator		Cust Sttlmt – Power Suppliers / BalMkt Energy Settlement/Hourly/Stlmnt Results	Hr Total BalMkt Stlmnt: Gen ($) + Hr Total CLR BalMkt Stlmt: Gen ($)
210	R/T BPCG $	NUMBER(15,2)	$$	Bid production cost value for energy scheduled and delivered in the real time market not covered in the day ahead market	+ = Due Generator		Cust Sttlmt – Power Suppliers / Real Time BPCG Settlement/Intermediate Calculations	Hr RT Total Net Cost ($)
211	R/T Startup $	NUMBER(15,2)	$$	Start up cost value for start ups scheduled in the hour ahead or supplemental markets	+ = Due Generator		Cust Sttlmt – Power Suppliers / Real Time BPCG Settlement/Intermediate Calculations/Startup Costs	Hr RT Startup Cost ($)
212	Monthly Voltage Service $ (constant)	NUMBER(15,2)	$$	Monthly generator voltage service rate for units providing FERC Form 1 data this value is the unit fixed yearly rate. For all others this value is the NYISO calculated voltage service rate.			Cust Sttlmt - PowerSupplrs: AncServ / Voltage Support Service/VSS Credit/Hourly/Other Related info	Mo VSS Rate ($)
213	% In Service	NUMBER (5,2)	##				Cust Sttlmt - PowerSupplrs: AncServ / Voltage Support Service/VSS Credit/Hourly/Other Related info	Hr VSS In Service (%)
214	Voltage Support $	NUMBER(15,2)	$$	Voltage payment based on in service time and fixed rate or fixed payment schedule for units under contract to supply installed capacity	+ = Due Generator		Cust Sttlmt - PowerSupplrs: AncServ / Voltage Support Service/VSS Credit/Hourly/Stlmnt Results	Hr VSS Stlmnt ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
215	Hrly VSS LOC $	NUMBER(15,2)	$$	Lost opportunity cost value for units directed to hold a MW output to support voltage	+ = Due Generator		Cust Sttlmt - PowerSupplrs: AncServ Voltage Support Service/VSS LOC/Hourly	Hr VSS LOC Stlmnt ($)
216	11/18/1999 – 9/30/2001: Availability Index 10/1/2001 – Current: Performance Index	NUMBER (17,4)	##	Availability Index: % of number of seconds unit is on control for the hour Performance Index: unit performance index, as computed by Performance Tracking System			Cust Sttlmt - PowerSupplrs: AncServ Regulation Service/DAM Regulation Capacity/Hourly/Intermediate Calculations Regulation Service/DAM Regulation Capacity/Hourly/Billing Determinants	Resource Availability Index Hr Perf Index: Time Weight
217	Hrly DAM Reg Avail	NUMBER(17,4)	MWh	SCUC Scheduled Regulation Capacity			Cust Sttlmt - PowerSupplrs: AncServ Regulation Service/DAM Regulation Capacity/Hourly/Billing Determinants	Hr DAM Sched Reg Capacity (MW)
218	Hrly DAM Reg MCP $	NUMBER(15,2)	$$	DAM Regulation market clearing price			Cust Sttlmt - PowerSupplrs: AncServ Regulation Service/DAM Regulation Capacity/Hourly/Billing Determinants	Hr DAM Reg Capacity Price ($/MW)
219	Hrly Suppl Reg Avail	NUMBER(17,4)	MWh	SRE/BME Scheduled Regulation Capacity			Cust Sttlmt - PowerSupplrs: AncServ Regulation Service/Sup Regulation Availability/Hourly/Intermediate Calculations	Hr Sup Sched Reg Avail (MW)
220	Integrated Hrly Suppl MC $	NUMBER(15,2)	$$	Regulation supplemental market clearing price			Cust Sttlmt - PowerSupplrs: AncServ Regulation Service/Sup Regulation Availability/Hourly/Billing Determinants	Hr HAM Reg Price ($/MW)
221	Reg Replacement cost $	NUMBER(15,2)	$$	Regulation availability replacement charge	+ = Due ISO		Cust Sttlmt - PowerSupplrs: AncServ Regulation Services/Regulation Replacement/Hourly/Stlmnt Results	-1* Hr Reg Replacement Cost ($)
222	Regulation Charge $	NUMBER(15,2)	$$	Regulation charge for causing regulation	+ = Due ISO		Cust Sttlmt - PowerSupplrs: AncServ	-1* Hr Reg Penalty ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
							Regulation Services/Regulation Penalty/Hourly	
223	Hrly 30 Min MCP $	NUMBER(15,2)	$$	30Min Reserve market clearing price			Cust Sttlmt - PowerSupplrs: AncServ 30-Min Operating Reserves/DAM 30-Min OperRes Availability/Hourly/Billing Determinants	Hr DAM 30Min Price ($/MW)
224	Hrly 30 Min Res MWHr	NUMBER(17,4)	MWh	30Min Reserve accepted MWs			Cust Sttlmt - PowerSupplrs: AncServ 30-Min Operating Reserves/DAM 30-Min OperRes Availability/Hourly/Billing Determinants	Hr DAM Sched 30Min Avail (MW)
225	Hrly Suppl 30 Min MCP $	NUMBER(15,2)	$$	30Min reserve supplemental market clearing price			Cust Sttlmt - PowerSupplrs: AncServ 30-Min Operating Reserves/Sup 30-Min OperRes Availability/Hourly/Billing Determinants	Hr HAM 30Min Price ($/MW)
226	Hrly Suppl 30 Min Res MWHr	NUMBER(17,4)	MWh	30Min reserve accepted supplemental availability MWs			Cust Sttlmt - PowerSupplrs: AncServ 30-Min Operating Reserves/Sup 30-Min OperRes Availability/Hourly//Intermediate Calculations	Hr Sup Sched 30Min Avail (MW)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
227	Hrly 30 Min Res Avail $	NUMBER(15,2)	$$	Total 30Min reserve payment	+ = Due Generator		Cust Sttlmt - PowerSupplrs: AncServ 30-Min Operating Reserves/DAM 30-Min OperRes Availability/Hourly/Intermediate Calculations 30-Min Operating Reserves/Sup 30-Min OperRes Availability/Hourly/Intermediate Calculations 30-Min Operating Reserves/30-Min Reduction/Hourly/Intermediate Calculations 30-Min Operating Reserves/DAM 30-Min OperRes Availability/Hourly/Stlmnt Results 30-Min Operating Reserves/BalMkt 30-Min OperRes Availability/Hourly/Stlmnt Results	**For Pre-SMD Billing Days:** Hr DAM 30Min Unadj Avail ($) + Hr Sup 30Min Unadj Avail ($) + Hr 30Min Reduct Unadj Ch ($) **For Post-SMD Billing Days:** Hr DAM 30Min Avail Stlmnt ($) + Hr BalMkt 30Min Avail Stlmnt ($)
228	Hrly Synch Res MCP $	NUMBER(15,2)	$$	10Min Synchronous reserve market clearing price			Cust Sttlmt - PowerSupplrs: AncServ 10-Min Sync Operating Reserves/DAM 10-Min Sync Availability/Hourly/Billing Determinants	Hr DAM 10Sync Price ($/MW)
229	Hrly Synch Res MWHr	NUMBER(17,4)	MWh	10Min Synchronous reserve accepted MWs			Cust Sttlmt - PowerSupplrs: AncServ 10-Min Sync Operating Reserves/DAM 10-Min Sync Availability/Hourly/Billing Determinants	Hr DAM Sched 10Sync Avail (MW)
230	Hrly Suppl Synch Res MCP $	NUMBER(15,2)	$$	10Min synchronous reserve supplemental market clearing price			Cust Sttlmt - PowerSupplrs: AncServ 10-Min Sync Operating Reserves/Sup 10-Min Sync Availability/Hourly/Billing Determinants	Hr HAM 10Sync Price ($/MW)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
231	Hrly Suppl Synch Res MWHr	NUMBER(17,4)	MWh	10Min synchronous reserve supplemental accepted availability MWs			Cust Sttlmt - PowerSupplrs: AncServ 10-Min Sync Operating Reserves/Sup 10-Min Sync Availability/Hourly//Intermediate Calculations	Hr Sup Sched 10SyncRes Avail (MW)
232	Hrly Synch Res Avail $	NUMBER(15,2)	$$	Total 10Min synchronous reserve payment	+ = Due Generator		Cust Sttlmt - PowerSupplrs: AncServ 10-Min Sync Operating Reserves/DAM 10-Min Sync Availability/Hourly/Intermediate Calculations 10-Min Sync Operating Reserves/Sup 10-Min Sync Availability/Hourly/Intermediate Calculations 10-Min Sync Operating Reserves/ 10-Min Sync Reduction/Hourly/Intermediate Calculations 10-Min Sync Operating Reserves/DAM 10-Min Sync Availability/Hourly/Stlmnt Results 10-Min Sync Operating Reserves/BalMkt 10-Min Sync Availability/Hourly/Stlmnt Results	**For Pre-SMD Billing Days:** Hr DAM 10Sync Unadj Avail ($) + Hr Sup 10Sync Unadj Avail ($) + Hr 10Sync Reduct Unadj Ch ($) **For Post-SMD Billing Days:** Hr DAM 10Sync Avail Stlmnt ($) + Hr BalMkt 10Sync Avail Stlmnt ($)
233	Hrly 10 Min Non Synch Res MCP $	NUMBER(15,2)	$$	10Min Non-Synchronous reserve market clearing price			Cust Sttlmt - PowerSupplrs: AncServ 10-Min Non-Sync Operating Reserves/DAM 10-Min NonSync Availability/Hourly/Billing Determinants	Hr DAM 10NSync Price ($/MW)
234	Hrly 10 Min Non Synch Res MWHr	NUMBER(17,4)	MWh	10Min Non-Synchronous Reserve accepted MWs			Cust Sttlmt - PowerSupplrs: AncServ 10-Min Non-Sync Operating Reserves/DAM 10-Min NonSync Availability/Hourly/Billing Determinants	Hr DAM Sched 10NSync Avail (MW)
235	Hrly Suppl 10 Min Non Synch MCP $	NUMBER(15,2)	$$	10Min non-synchronous reserve supplemental market clearing price			Cust Sttlmt - PowerSupplrs: AncServ	Hr HAM 10NSync Price ($/MW))

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
							10-Min Non-Sync Operating Reserves/Sup 10-Min NonSync Availability/Hourly/Billing Determinants	
236	Hrly Suppl 10 Min Non Synch MWHr	NUMBER(17,4)	MWh	10Min non-synchronous reserve supplemental accepted availability MWs			Cust Sttlmt - PowerSupplrs: AncServ 10-Min Non-Sync Operating Reserves/Sup 10-Min NonSync Availability/Hourly/Intermediate Calculations	Hr Sup Sched 10NSync Avail (MW)
237	Hrly 10 Min Non Synch Res Avail $	NUMBER(15,2)	$$	Total 10Min non-synchronous reserve payment	+ = Due Generator		Cust Sttlmt - PowerSupplrs: AncServ 10-Min Non-Sync Operating Reserves/DAM 10-Min NonSync Availability/Hourly/Intermediate Calculations 10-Min Non-Sync Operating Reserves/Sup 10-Min NonSync Availability/Hourly/Intermediate Calculations 10-Min Non-Sync Operating Reserves/10-Min NonSync Reduction/Hourly/Intermediate Calculations 10-Min Non-Sync Operating Reserves/DAM 10-Min NonSync Availability/Hourly/Stlmnt Results 10-Min Non-Sync Operating Reserves/BalMkt 10-Min NonSync Availability/Hourly/Stlmnt Results	**For Pre-SMD Billing Days:** Hr DAM 10NSync Unadj Avail ($) + Hr Sup 10NSync Unadj Avail ($) + Hr 10NSync Reduct Unadj Ch ($) **For Post-SMD Billing Days:** Hr DAM 10NSync Avail Stlmnt ($) + Hr BalMkt 10NSync Avail Stlmnt ($)
238	Hrly LRR DAM Contract Bal Pmnt $	NUMBER(15,2)	$$	LRR payment to make units whole for being dispatched below their day-ahead schedule out-of-merit	+ = Due Generator		Cust Sttlmt – Power Suppliers DAMAP Settlement - Pre-SMD/Hourly/Settlements Results Or DAMAP Settlement – SMD/Stlmnt Results	Hr DAM MargAsrc LRR Stlmnt ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
239	Hrly DAM Contract Bal Pmnt $	NUMBER(15,2)	$$	Payment to make units whole for being dispatched below their day-ahead schedule out-of-merit	+ = Due Generator		Cust Sttlmt – Power Suppliers / DAMAP Settlement - Pre-SMD/Hourly/Settlements Results Or DAMAP Settlement – SMD/Stlmnt Results	Hr DAM MargAsrc Stlmnt ($)
240	Hrly Synch Res LOC $	NUMBER(15,2)	$$	Spinning reserve lost opportunity payment	+ = Due Generator		Cust Sttlmt - PowerSupplrs: AncServ / Operating Reserves LOCs & Penalties/Sync LOC/Hourly	Hr 10Sync LOC Credit ($)
241	Hrly 30 Min Res Reduc MWHr	NUMBER(15,2)	MWh				Cust Sttlmt - PowerSupplrs: AncServ / 30-Min Operating Reserves/30-Min Reduction/Hourly/Intermediate Calculations	Hr 30Min Reduction – Total (MW)
242	Synch Res Reduction MWHr	NUMBER(15,2)	MWh				Cust Sttlmt - PowerSupplrs: AncServ / 10-Min Sync Operating Reserves/10-Min Sync Reduction/Hourly/Billing Determinants	Hr 10Sync Reduction – Total (MW)
243	Hrly 10 Min Non Synch Res Reduc MWHr	NUMBER(15,2)	MWh				Cust Sttlmt - PowerSupplrs: AncServ / 10-Min Non-Sync Operating Reserves/10-Min NonSync Reduction/Hourly/Intermediate Calculations	Hr 10NSync Reduct – Unavail (MW)
244	Reserve Penalty $	NUMBER(15,2)	$$	Requested reserve shortfall charge	+ = Due ISO		Cust Sttlmt - PowerSupplrs: AncServ / Operating Reserve LOCs & Penalties/10-Min Shortfall Penalty/Hourly	-1* Hr 10Min Shortfall Stlmnt ($)
245	Avg Supply Ratio	NUMBER(17,4)	##	Reserve supply Performance ratio			Cust Sttlmt - PowerSupplrs: AncServ / 10-Min Sync Operating Reserves/DAM 10-Min Sync Availability/Hourly/Billing Determinants	Day Op Res Avg Supply Perf Ratio
246	Hrly 10 Min Non Synch Res LOC $	NUMBER(15,2)	$$	10Min non-synchronous reserve lost opportunity cost payment	+ = Due Generator		Cust Sttlmt - PowerSupplrs: AncServ / Operating Reserves LOCs and Penalties/10-Min NonSync LOC/Hourly	Hr Adj 10NSync LOC Cred ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
5200	Out of Merit Flag	VARCHAR2(1)	ID	Y/N Out of Merit indication			Cust Sttlmt - PowerSupplrs: AncServ / 10-Min Sync Operating Reserves/10-Min Sync Reduction/Hourly/Billing Determinants	Hr Out of Merit Flag
5210	Local Reliability Flag	VARCHAR2(1)	ID	Y/N indication if unit out of merit for local reliability			Cust Sttlmt - Power Suppliers / BalMkt Energy Settlement/RTD/Other Related Info	Local Reliability Rules Flag
5220	Out of Merit Flag Memo	VARCHAR2(200)	ID	Reason for unit placed out of merit			Cust Sttlmt - PowerSupplrs: AncServ / Voltage Support Service/VSS Credit/Hourly/Other Related Info	Hr Out of Merit Memo
5230	Eligible Mingen Flag	VARCHAR2(1)	ID	Eligible for min gen payment Y/N flag			Cust Sttlmt – Power Suppliers / Real Time BPCG Settlement/Billing Determinants	Eligible for RT BPCG Flag
5240	Ramp rate constraint flag	VARCHAR2(1)	ID	Y/N indication if unit was ramp rate constrained			Cust Sttlmt – Power Suppliers / BalMkt Energy Settlement/Hourly/Other Related Info	Ramp Rate Constrained Flag
5250	Mitigated Unit Flag						N/A	N/A
5260	Regulating unit flag	VARCHAR2(1)	ID	Y/N indication of regulating units			Not currently available	Not currently available
5270	Dispatch Seconds	NUMBER(6)	##	Number of seconds during the hour the unit was on dispatch.			Cust Sttlmt – Power Suppliers / DAMAP Settlement/Hourly/Billing Determinants	Hr # Seconds On Dispatch
5280	Number of Reserve Pickup Intervals	NUMBER(1)	##	Number of reserve pick-ups during the hour			Not currently available	Not currently available
250	Hrly Bal Mkt Reg Avail MWHr	NUMBER(17,4)	MWh	Balancing Market Scheduled Regulation Capacity			Cust Sttlmt - PowerSupplrs: AncServ / Regulation Service/BalMkt Regulation Capacity/Hourly/Other Related Info	Hr BalMkt Reg Capacity (MW)
251	Hrly Bal Mkt Reg Avail $	NUMBER(15,2)	$$	Balancing Market Regulation Availability payment	+ = Due Generator		Cust Sttlmt - PowerSupplrs: AncServ / Regulation Service/BalMkt Regulation Capacity/Hourly/Stlmnt Results	Hr BalMkt Reg Capacity Stlmnt ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
252	Hrly Reg Rev Adj $	NUMBER(15,2)	$$	Regulation Revenue Adjustment payment	+ = Due Generator		Cust Sttlmt - PowerSupplrs: AncServ / Regulation Service/Regulation Revenue Adj/Hourly/Stlmnt Results	Hr Reg Rev Adj Stlmnt ($)
253	Hrly Sup Event Credit $	NUMBER(15,2)	$$	Supplemental Event Credit payment	+ = Due Generator		Cust Sttlmt – Power Suppliers / Supplemental Event Credit/Hourly/Stlmnt Results	Hr Supplemental Event Stlmnt ($)
254	Injection MWHr	NUMBER(17,4)	MWh	Injection MWHr			Cust Sttlmt - PowerSupplrs: AncServ / ISO Services Charges/OATT Sched 1 Annual Budget Charge Settlement (ab) /Hourly/Intermediate Calculations	Hr Sched 1 Inject (MW)
257	S SC&D OAT Inject Rate	NUMBER(15,2)	$/MWh	ISO OAT schedule 1 rate on injections			Cust Sttlmt - PowerSupplrs: AncServ / ISO Services Charges/ OATT Schedule 1Annual Budget Charge Settlement /Hourly/Intermediate Calculations	Hr OATT Sched 1 Annual Budget Rate: Inj ($/MWh)
258	S SC&D OAT Inject Charge $	NUMBER(15,2)	$$	ISO OAT schedule 1 charge on injections	+ = Due ISO		Cust Sttlmt - PowerSupplrs: AncServ / ISO Services Charges/ OATT Schedule 1Annual Budget Charge Settlement /Hourly/Stlmnt Results	-1* Hr OATT Sched 1 Net Annual Budget Charge Inj Stlmnt: Gen ($)
263	Hr RT Mitigated Startup Cost	NUMBER(15,2)	$$	Total Mitigated Startup Cost	+ = Due Generator		Cust Sttlmt - Power Supplier / Real Time BPCG Settlement/Billing Determinants/ Startup Costs	Hr RT Startup Cost ($): Mit
264	Hr RT Mitigated MinGen Cost	NUMBER(15,2)	$$	Total Mitigated MinGen Cost	+ = Due Generator		Cust Sttlmt - Power Supplier / Real Time BPCG Settlement/RT BPCG Mitigation Billing Determinants	Hr Ref RT Total Net Cost ($): Mit
1007	Local Black Start/Rest Payment $	NUMBER(15,2)	$$	Local Black Start and Restoration Services Payment	+ = Due Generator		Cust Sttlmt - PowerSupplrs: AncServ / Black Start/Hourly	Hr Local Black Start Stlmnt ($) + Hr Loc Blk Strt Test Stlmnt ($)
265	Hrly Reg Movement MWHr	NUMBER(17,4)	MWh	The amount of regulation movement that the Regulation Service provider was instructed to deliver in real-time for the given hour			Cust Sttlmt - PowerSupplrs: AncServ / Regulation Service/RT Regulation Movement/Hourly/Other Related Info (aeh)	Hr RT Reg Movement (MW)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
266	Hrly RT Reg Movement $	NUMBER(15,2)	$$	Real-Time Market regulation movement settlement for the given Regulation Service provider and hour	+ = Due Generator		Cust Sttlmt - PowerSupplrs: AncServ / Regulation Service/RT Regulation Movement/Hourly/Stlmnt Results (aeh)	Hr RT Reg Movement Stlmnt ($)
267	Hrly Reg Performance Charge $	NUMBER(15,2)	$$	The Real-Time Market regulation performance charge assessed to the given Regulation Service provider, for the hour, for not performing as instructed in real-time	+ = Due ISO		Cust Sttlmt - PowerSupplrs: AncServ / Regulation Service/RT Regulation Performance Charge/Hourly	-1* Hr RT Reg Performance Charge ($)
268	FERC Fees OAT Inject Charge $	NUMBER(15,2)	$$	Settlement for FERC fees for the generator for the given hour	+ = Due ISO		Cust Sttlmt - PowerSupplrs: AncServ / ISO Services Charges/ OATT Sched 1 FERC Fees Settlement/Hourly/Intermediate /Calculations	Hr OATT Sched 1 FERC Fees Inj Stlmnt: Gen ($)
269	Retail Withdrawals MWh	NUMBER(17,4)	MWh	Determined retail MWh eligible for rebate			Cust Sttlmt – Power Suppliers: / Rebate for Retail Withdrawals/Hourly/Billing Determinants	Hr RT Retail Withdrawal Energy Gen (MWh)
270	Retail Withdrawals Rebate $	NUMBER(15,2)	$$	Rebated dollar amount for an ESR generator's MWh withdrawals at the retail level	+ = Due Generator		Cust Sttlmt – Power Suppliers: / Rebate for Retail Withdrawals/Hourly/Stlmnt Results	Hr RT Rebate for Retail Withdrawals Stlmnt: Gen ($)
271	Storage Withdrawal NTAC/TSC MWh	NUMBER(17,4)	MWh	MW withdrawal subject to charge Transmission Service Charge(TSC)			Cust Sttlmt - PowerSupplrs: AncServ / Storage Withdrawal NTAC Charge/Hourly/Billing Determinant	Hr RT Gen TSC-Eligible Withdrawal Energy (MWh)
272	Storage Withdrawal NTAC Charge $	NUMBER(15,2)	$$	NTAC charges assessed to an ESR generator withdrawals	+ = Due ISO		Cust Sttlmt - PowerSupplrs: AncServ / Storage Withdrawal NTAC Charges/Hourly/ Stlmnt Results	Hr RT NTAC Charge for Withdrawal Stlmnt: Gen ($)
273	DER Demand Reduction MWh	NUMBER(17,4)	MWh	The amount of demand reduction MWs eligible for settlement			Cust Sttlmt - PowerSuppliers: / BalMkt Energy Settlement/Hourly/Stlmnt Results	Hr Gen BalMkt Demand Reduction Energy (MWh)
274	DER Demand Reduction Payment $	NUMBER(15,2)	$$	Demand reduction settlement for a given generator	+ = Due Generator		Cust Sttlmt - PowerSuppliers: / BalMkt Energy Settlement/Hourly/ Stlmnt Results	Hr BalMkt Demand Reduction Stlmnt: Gen ($)

II. Transmission Customers Data - LSE LBMP Energy (Hourly)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
100	Org name	VARCHAR2(50)	ID	Name of the Organization			Cust Sttlmt – Loads / Organization	Org Name
400	LSE name	VARCHAR2(50)	ID	Name of Load Serving Entity(for External Transaction this will be NULL)			Cust Sttlmt – Loads / Load Serving Entities	LSE Name
401	Bus name	VARCHAR2(50)	ID	Name of Load Bus			Cust Sttlmt – Loads / Load Buses	Load Bus Name
101	Start day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust Sttlmt – Loads / Time/Day	Interval Start Day (Eastern) Note: Format is slightly different. DSS format is MM/DD/YYYY.
102	Start hour	NUMBER(2)	Hour	Start Hour			Cust Sttlmt – Loads / Time/Hour	Interval Start Hour (Eastern)
402	DAM Hrly LBMP MWh	NUMBER(17,4)	MWh	LBMP MWs purchased Day-Ahead, (Load bid MWs)	+ = Purchase from the ISO		Cust Sttlmt – Loads / DAM Energy Settlement/Hourly/Billing Determinants	Hr DAM Sched Load (MW)
403	DAMLBMP $, by zone	NUMBER(15,2)	$$	Zone LBMP price where this load bus is located			Cust Sttlmt – Loads / DAM Energy Settlement/Hourly/Billing Determinants	DAM Total Price: LSE ($/MW)
404	Hrly Fwd Energy $	NUMBER(15,2)	$$	Energy component cost	+ = Due ISO		Cust Sttlmt – Loads / DAM Energy Settlement/Hourly/Stlmnt Results	-1* Hr DAM Energy Stlmnt: LSE ($)
405	Hrly Fwd Loss $	NUMBER(15,2)	$$	Loss component cost	+ = Due ISO		Cust Sttlmt – Loads / DAM Energy Settlement/Hourly/Stlmnt Results	-1* Hr DAM Loss Stlmnt: LSE ($)
406	Hrly Fwd Cong $	NUMBER(15,2)	$$	Congestion component cost	+ = Due ISO		Cust Sttlmt – Loads / DAM Energy Settlement/Hourly/Stlmnt Results	-1* Hr DAM Cong Stlmnt: LSE ($)
407	LSE Hrly R/T MWh by bus	NUMBER(17,4)	MWh	Time weighted hourly load bus estimate based on LSE forecast, adjusted for NYISO measured subzone load proportional with other LSE's in this subzone, net from day ahead schedule and all bilateral transaction MWs	+ = Purchase from the ISO		Cust Sttlmt – Loads / BalMkt Energy Settlement/Hourly/Other Related Info	Hr BalMkt Load: LSE (MWh)
408	R/T LBMP $, by zone	NUMBER(15,2)	$$	Time weighted and load weighted hourly Zonal LBMP price where this load bus is located			Not currently available	Not currently available at the Hourly level, but is available at the RTD level.
409	Hrly R/T Energy $	NUMBER(15,2)	$$	Energy component cost	+ = Due ISO		Cust Sttlmt – Loads	-1* Hr BalMkt Energy Stlmnt: LSE ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
							BalMkt Energy Settlement/Hourly/Stlmnt Results	
410	Hrly R/T Loss $	NUMBER(15,2)	$$	Loss component cost	+ = Due ISO		Cust Sttlmt – Loads / BalMkt Energy Settlement/Hourly/Stlmnt Results	-1* Hr BalMkt Loss Stlmnt: LSE ($)
411	Hrly R/T Cong $	NUMBER(15,2)	$$	Congestion component cost	+ = Due ISO		Cust Sttlmt – Loads / BalMkt Energy Settlement/Hourly/Stlmnt Results	-1* Hr BalMkt Cong Stlmnt: LSE ($)

III. Transmission Customers Data - Transaction TUC and TSC Charges (Hourly)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
100	Org name	VARCHAR2(50)	ID	Name of the Organization			Cust Sttlmt – Transactions / Transaction Customer Organization	TC Org Name
400	LSE name	VARCHAR2(50)	ID	Name of Load Serving Entity(for External Transaction this will be NULL) for the transaction sink			Cust Sttlmt – Transactions / Load Serving Entity	TransCnt LSE Name
500	Trans_id	NUMBER	ID #	Unique transaction Identifier			Cust Sttlmt – Transactions / Transaction Contracts	TransCnt ID
101	Start day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust Sttlmt – Transactions / Time/Day	Interval Start Day (Eastern) Note: Format is slightly different. DSS format is MM/DD/YYYY.
102	Start hour	NUMBER(2)	Hour	Start Hour			Cust Sttlmt – Transactions / Time/Hour	Interval Start Hour (Eastern)
501	DAM Scheduled Transactions	NUMBER(17,4)	MWh	Day ahead transaction MWh amount	+ = Bilateral Scheduled		Cust Sttlmt – Transactions / DAM TUC Settlement/Hourly/Billing Determinants	Hr DAM TUC Energy (MWh)
502	Hrly Transaction DAM Loss $	NUMBER(15,2)	$$	Transaction Loss component cost	+ = Due ISO		Cust Sttlmt – Transactions / DAM TUC Settlement/Hourly/Stlmnt Results	-1* Hr DAM TUC Loss Stlmnt ($)
503	Hrly Transaction Day Ahead Congestion $	NUMBER(15,2)	$$	Transaction Congestion component cost	+ = Due ISO		Cust Sttlmt – Transactions	-1* Hr DAM TUC Cong Stlmnt ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
							DAM TUC Settlement/Hourly/Stlmnt Results	
504	Hrly Day Ahead TUC $	NUMBER(15,2)	$$	DAM Transmission use charge (loss_cost + Cong_cost)	+ = Due ISO		Cust Sttlmt – Transactions DAM TUC Settlement/Hourly/Stlmnt Results	-1* Hr Total DAM TUC Stlmnt ($)
505	R/T Scheduled Transactions	NUMBER(17,4)	MWh	R/T transaction MWhs	Negative = Bilateral Curtailed		Cust Sttlmt – Transactions BalMkt TUC Settlement/Hourly/Other Related Info	Hr BalMkt TUC Sched (MWh)
506	R/T Loss $	NUMBER(15,2)	$$	Cost of losses on transaction	+ = Due ISO		Cust Sttlmt – Transactions BalMkt TUC Settlement/Hourly/Stlmnt Results	-1* Hr BalMkt TUC Loss Stlmnt ($)
507	R/T Congestion $	NUMBER(15,2)	$$	Cost of congestions on transaction	+ = Due ISO		Cust Sttlmt – Transactions BalMkt TUC Settlement/Hourly/Stlmnt Results	-1* Hr BalMkt TUC Cong Stlmnt ($)
508	Hrly R/T TUC $	NUMBER(15,2)	$$	R/ T TUC charges (Loss_cost + Cong_cost)	+ = Due ISO		Cust Sttlmt – Transactions BalMkt TUC Settlement/Hourly/Stlmnt Results	-1* Hr Total BalMkt TUC Stlmnt ($)
509	Hrly Ext. TSC MWHr	NUMBER(17,4)	MWh	Total Transmission Service Charge MWhs for External Transaction			Cust Sttlmt – Transactions Transmission Service Charge MWh	Hr TSC Ext Energy (MWh) Where Transmission Provider = Central Hudson Gas and Electr Or Consolidated Edison of NY Or Long Island Power Authority Or New York Power Authority Or Orange and Rockland Utilities Or New York State Electric and Gas Or Niagara Mohawk
521	Hrly Ext. TSC MWHr to Central Hudson	NUMBER(17,4)	MWh	Transmission Service Charge MWhs for External Transaction to Central Hudson			Cust Sttlmt – Transactions Transmission Service Charge MWh	Hr TSC Ext Energy (MWh) Where Transmission Provider = Central Hudson Gas and Electr

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
522	Hrly Ext. TSC MWHr to Con Ed	NUMBER(17,4)	MWh	Transmission Service Charge MWhs for External Transaction to Con Ed			Cust Sttlmt – Transactions / Transmission Service Charge MWh	Hr TSC Ext Energy (MWh) Where Transmission Provider = Consolidated Edison of NY
523	Hrly Ext. TSC MWHr to LIPA	NUMBER(17,4)	MWh	Transmission Service Charge MWhs for External Transaction to LIPA			Cust Sttlmt – Transactions / Transmission Service Charge MWh	Hr TSC Ext Energy (MWh) Where Transmission Provider = Long Island Power Authority
524	Hrly Ext. TSC MWHr to NYPA	NUMBER(17,4)	MWh	Transmission Service Charge MWhs for External Transaction to NYPA			Cust Sttlmt – Transactions / Transmission Service Charge MWh	Hr TSC Ext Energy (MWh) Where Transmission Provider = New York Power Authority
525	Hrly Ext. TSC MWHr to OR	NUMBER(17,4)	MWh	Transmission Service Charge MWhs for External Transaction to O&R			Cust Sttlmt – Transactions / Transmission Service Charge MWh	Hr TSC Ext Energy (MWh) Where Transmission Provider = Orange and Rockland Utilities
526	Hrly Ext. TSC MWHr to NYSEG	NUMBER(17,4)	MWh	Transmission Service Charge MWhs for External Transaction to NYSEG			Cust Sttlmt – Transactions / Transmission Service Charge MWh	Hr TSC Ext Energy (MWh) Where Transmission Provider = New York State Electric & Gas
527	Hrly Ext. TSC MWHr to NIMO	NUMBER(17,4)	MWh	Transmission Service Charge MWhs for External Transaction to NIMO			Cust Sttlmt – Transactions / Transmission Service Charge MWh	Hr TSC Ext Energy (MWh) Where Transmission Provider = Niagara Mohawk
530	Hrly Fin Impact Charge $	NUMBER(17,4)	$$	Financial Impact Charge	+ = Due ISO		Cust Sttlmt – Transactions / Financial Impact Charge/Hourly	-1* Hr Fin Impact Ch Stlmnt: Trans ($)
1004	Ext Proxy Bus POW PTID	NUMBER(5)	ID	NYISO assigned point identifier for a transaction's point of withdrawal			Cust Sttlmt – Transactions / Load Bus	TransCnt Load Bus PTID

IV. Transmission Customers Data - Transaction LBMP Energy Charges (Hourly)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
100	Org name	VARCHAR2(50)	ID	Name of the Organization			Cust Sttlmt – Transactions / Transaction Customer Organization	TC Org Name
400	LSE name	VARCHAR2(50)	ID	Name of Load Serving Entity(for External Transaction this will be NULL) for the transaction sink			Cust Sttlmt – Transactions / Load Serving Entity	TransCnt LSE Name

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
500	Trans_id	NUMBER	ID #	Unique transaction Identifier			Cust Sttlmt – Transactions / Transaction Contracts	TransCnt ID
101	Start day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust Sttlmt – Transactions / Time/Day	Interval Start Day (Eastern) Note: Format is slightly different. DSS format is MM/DD/YYYY.
102	Start hour	NUMBER(2)	Hour	Start Hour			Cust Sttlmt – Transactions / Time/Hour	Interval Start Hour (Eastern)
511	DAM LBMP Market MWHr	NUMBER(17,4)	MWh	Day ahead LBMP MWh amount	+ = Energy Purchased		Cust Sttlmt – Transactions / DAM LBMP Energy Settlement/Hourly/Billing Determinants	-1* Hr DAM LBMP Energy (MWh) + -1* Hr DAM Repl Energy (MWh)
512	DAM LBMP Market Energy $	NUMBER(15,2)	$$	Day ahead energy component cost	+ = Due ISO		Cust Sttlmt – Transactions / DAM LBMP Energy Settlement/Hourly/Stlmnt Results DAM Repl Energy Settlement/Hourly/Stlmnt Results	-1* Hr DAM LBMP Energy Stlmnt ($) + -1* Hr DAM Repl Engy Stlmnt ($)
513	DAM LBMP Market Loss $	NUMBER(15,2)	$$	Day ahead loss component cost	+ = Due ISO		Cust Sttlmt – Transactions / DAM LBMP Energy Settlement/Hourly/Stlmnt Results DAM Repl Energy Settlement/Hourly/Stlmnt Results	-1* Hr DAM LBMP Loss Stlmnt ($) + -1* Hr DAM Repl Loss Stlmnt ($)
514	DAM LBMP Market Cong $	NUMBER(15,2)	$$	Day ahead cong component cost	+ = Due ISO		Cust Sttlmt – Transactions / DAM LBMP Energy Settlement/Hourly/Stlmnt Results DAM Repl Energy Settlement/Hourly/Stlmnt Results	-1* Hr DAM LBMP Cong Stlmnt ($) + -1* Hr DAM Repl Cong Stlmnt ($)
515	DAM LBMP Market LBMP $	NUMBER(15,2)	$$	Total day ahead LBMP cost	+ = Due ISO		Cust Sttlmt – Transactions / DAM LBMP Energy Settlement/Hourly/Stlmnt Results	-1* Hr DAM Total LBMP Stlmnt ($) + -1* Hr Total DAM Repl Stlmnt ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
							DAM Repl Energy Settlement/Hourly/Stlmnt Results	
516	R/T LBMP Market MWHr	NUMBER(17,4)	MWh	R/T LBMP MWh amount	+ = Energy Purchased		Cust Sttlmt – Transactions BalMkt LBMP Energy Settlement/Hourly/Stlmnt Results BalMkt Repl Energy Settlement/Hourly/Stlmnt Results	-1* Hr BalMkt LBMP Energy (MWh) + -1* Hr BalMkt Repl Energy (MWh)
517	R/T LBMP Market Energy $	NUMBER(15,2)	$$	R/T energy component cost	+ = Due ISO		Cust Sttlmt – Transactions BalMkt LBMP Energy Settlement/Hourly/Stlmnt Results BalMkt Repl Energy Settlement/Hourly/Stlmnt Results	-1* Hr BalMkt LBMP Engy Stlmnt ($) + -1* Hr BalMkt Repl Engy Stlmnt ($)
518	R/T LBMP Market Loss $	NUMBER(15,2)	$$	R/T loss component cost	+ = Due ISO		Cust Sttlmt – Transactions BalMkt LBMP Energy Settlement/Hourly/Stlmnt Results BalMkt Repl Energy Settlement/Hourly/Stlmnt Results	-1* Hr BalMkt LBMP Loss Stlmnt ($) + -1* Hr BalMkt Repl Loss Stlmnt ($)
519	R/T LBMP Market Cong $	NUMBER(15,2)	$$	R/T cong component cost	+ = Due ISO		Cust Sttlmt – Transactions BalMkt LBMP Energy Settlement/Hourly/Stlmnt Results BalMkt Repl Energy Settlement/Hourly/Stlmnt Results	-1* Hr BalMkt LBMP Cong Stlmnt ($) + -1* Hr BalMkt Repl Cong Stlmnt ($)
520	R/T LBMP Market LBMP $	NUMBER(15,2)	$$	Total R/T LBMP cost	+ = Due ISO		Cust Sttlmt – Transactions BalMkt LBMP Energy Settlement/Hourly/Stlmnt Results BalMkt Repl Energy Settlement/Hourly/Stlmnt Results	-1* Hr BalMkt Total LBMP Stlmnt ($) + -1* Hr Total BalMkt Repl Stlmnt ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
528	DAM Bid Cost Guarantee	NUMBER(15,2)	$$	Day ahead bid cost guarantee	+ = Due Transaction Owner		Cust Sttlmt – Transactions / DAM BPCG Settlement/Intermediate Calculations	Hr DAM Trans Net Cost ($)
529	R/T Bid Cost Guarantee	NUMBER(15,2)	$$	Real time bid cost guarantee	+ = Due Transaction Owner		Cust Sttlmt – Transactions / Real Time BPCG Settlement/Intermediate Calculations Imp ECA Suppl Guar/Hourly	Hr RT Trans Net Cost ($) + Hr Imp ECA Suppl Guar ($)
531	Hrly Fin Impact Charge $	NUMBER(17,4)	$$	Financial Impact Charge	+ = Due ISO		Cust Sttlmt – Transactions / Financial Impact Charge/Hourly	-1* Hr Fin Imp Ch Stlmnt: Trans ($)

V. Transmission Customers Data - Ancillary Service Charges (Hourly)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
100	Org name	VARCHAR2(50)	ID	Name of the Organization			Cust Sttlmt – Loads: AncServ Organization Cust Sttlmt – Transactions: AncSer Transaction Customer Organization	Org Name TC Org Name
400	LSE name	VARCHAR2(50)	ID	Name of Load Serving Entity(for External Transaction this will be NULL)			Cust Sttlmt – Loads AncServ Load Serving Entities Cust Sttlmt – Transactions Load Serving Entity	LSE Name TransCnt LSE Name (Null for export and wheel-through transactions)
101	Start day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust Sttlmt – Loads: AncServ Time/Day Cust Sttlmt – Transactions: AncSer Time/Day	Interval Start Day (Eastern) Note: Format is slightly different. DSS format is MM/DD/YYYY. Interval Start Day (Eastern) Note: Format is slightly different. DSS format is MM/DD/YYYY.
102	Start hour	NUMBER(2)	Hour	Start Hour			Cust Sttlmt – Loads: AncServ Time/Hour Cust Sttlmt – Transactions: AncSer Time/Hour	Interval Start Hour (Eastern) Interval Start Hour (Eastern)
600	Hourly AncilService Billing MWHr	NUMBER(17,4)	MWh				Cust Sttlmt – Loads: AncServ Ancillary Services/OATT Sched 1 Annual Budget Charge Settlement/Hourly/Billing Determinants	Hr RT LSE Load (MWh)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
601	Hourly Ext Export Transactions MWHr	NUMBER(17,4)	MWh				Cust Sttlmt – Transactions: AncSer Ancillary Services/OATT Sched 1 Annual Budget Charge Settlement/Hourly/Billing Determinants	Hr RT Export Trans: TC (MWh)
602	Hourly Ext Wheel Thru Transactions MWHr	NUMBER(17,4)	MWh				Cust Sttlmt – Transactions: AncSer Ancillary Services/OATT Sched 1 Annual Budget Charge Settlement/Hourly/Billing Determinants	Hr RT Wheel-Thru Trans: TC (MWh)
603	NTAC Rate (for current month)	NUMBER(15,2)	$$	NYPA transmission access rate			Cust Sttlmt – Loads: AncServ Settlement Allocations/NTAC/Hourly/Billing Determinants Cust Sttlmt – Transactions: AncSer Settlement Allocations/NTAC/Hourly/Billing Determinants	Hr NTAC Rate ($/MW) Hr NTAC Rate ($/MW)
604	NTAC Charge $	NUMBER(15,2)	$$	NTAC charge	+ = Due ISO		Cust Sttlmt – Loads: AncServ Settlement Allocations/NTAC/Hourly/Stlmnt Results Cust Sttlmt – Transactions: AncSer Settlement Allocations/NTAC/Hourly/Stlmnt Results	-1* Hr Total NTAC Stlmnt: LSE ($) -1* Hr Total NTAC Stlmnt: TC ($)
605	Voltage Support Rate, $/MWh	NUMBER(15,2)	$$	Voltage Support rate			Cust Sttlmt – Loads: AncServ Ancillary Services/OATT Sched 2 – VSS/Hourly/Billing Determinants	Hr VSS Rate ($/MW)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
							Cust SttImt – Transactions: AncSer Ancillary Services/OATT Sched 2 – VSS/Hourly/Billing Determinants	Hr VSS Rate ($/MW)
606	Hrly VSS Charge$	NUMBER(15,2)	$$	Hourly voltage support charge	+ = Due ISO		Cust SttImt – Loads: AncServ Ancillary Services/OATT Sched 2 – VSS/Hourly/StImnt Results	-1* Hr VSS StImnt - LSE ($)
							Cust SttImt – Transactions: AncSer Ancillary Services/OATT Sched 2 – VSS/Hourly/StImnt Results	-1* Hr VSS StImnt - TC ($)
610	Hrly Reserve Chg$	NUMBER(15,2)	$$	Total hourly operating reserve charge	+ = Due ISO		Cust SttImt – Loads: AncServ Ancillary Services/OATT Schedule 5 – OpReserves/Hourly/Stlmnt Results	-1* Hr Op Res StImnt: LSE ($)
							Cust SttImt – Transactions: AncSer Ancillary Services/OATT Schedule 5 – OpReserves/Hourly/Stlmnt Results	-1* Hr Op Res StImnt: TC ($)
611	Residual Adjustment $	NUMBER(15,2)	$$	Hourly OATT Sch 1 residual adjustment	+ = Due ISO		Cust SttImt – Loads: AncServ NYISO Residuals/DAM Energy Residuals*/Hourly/Stlmnt Results * Remaining Residual Settlement Results are located within the NYISO Residuals Class	-1* Hr DAM Resid Enrgy StImnt: LSE ($) + -1* Hr Bal Resid Enrgy StImnt: LSE ($) + -1* Hr DAM Resid Loss StImnt: LSE ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
							Settlement Allocations/Emergency Purchases/Hourly/Stlmnt Results Settlement Allocations/Emergency Sales/Hourly/Stlmnt Results Uplift Allocations/DAM Margin Assurance/Hourly/Stlmnt Results Uplift Allocations/DAM Margin Assurance LRR Cust Sttlmt – Transactions: AncSer NYISO Residuals/DAM Energy Residuals*/Hourly/Stlmnt Results * Remaining Residual Settlement Results are located within the NYISO Residuals Class Settlement Allocations/Emergency Purchases/Hourly/Stlmnt Results Settlement Allocations/Emergency Sales/Hourly/Stlmnt Results	+ -1* Hr Bal Resid Loss Stlmnt: LSE ($) + -1* Hr Bal Resid Cong Stlmnt: LSE ($) + -1* Hr Emergency Purch Stlmnt: LSE ($) + -1* Hr Emrgency Sales Stlmnt: LSE ($) + -1* Hr DAM Mrgn Assrnc Stlmnt: LSE ($) + -1* Hr DAM MgnAssrnc LRR Stlmt: LSE ($) -1* Hr DAM Resid Enrgy Stlmnt: TC ($) + -1* Hr Bal Resid Enrgy Stlmnt: TC ($) + -1* Hr DAM Resid Loss Stlmnt: TC ($) + -1* Hr Bal Resid Loss Stlmnt: TC ($) + -1* Hr Bal Resid Cong Stlmnt: TC ($) + -1* Hr Emergency Purch Stlmnt: TC ($) + -1* Hr Emrgency Sales Stlmnt: TC ($) +

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
							Uplift Allocations/DAM Margin Assurance/Hourly/Stlmnt Results	-1* Hr DAM Mrgn Assrnc Stlmnt: TC ($)
612	Hrly Reg Charge $	NUMBER(15,2)	$$	Total hourly regulation charge	+ = Due ISO		Cust Sttlmt – Loads: AncServ / Ancillary Services/OATT Schedule 3 – Regulation/Hourly/Stlmnt Results	-1* Hr Regulation Stlmnt: LSE ($) Note: This does not include Regulation Revenue Adjustment Settlement. That is reported in Billing Code 618.
613	Black Start Charge $	NUMBER(15,2)	$$	Total hourly black start charge	+ = Due ISO		Cust Sttlmt – Loads: AncServ / Ancillary Services/OATT Schedule 6 – Black Start/Hourly/Stlmnt Results	-1* Hr Black Start Stlmnt: LSE ($)
614	S,SC&D OAT (Rate for current month)	NUMBER(15,2)	$$	ISO OAT annual budget rate for withdrawals			Cust Sttlmt – Loads: AncServ / Ancillary Services/OATT Schedule 1 Annual Budget Charge Settlement/Intermediate Calculations Cust Sttlmt – Transactions: AncSer / Ancillary Services/ OATT Schedule 1 Annual Budget Charge Settlement /Intermediate Calculations	Hr OATT Sched 1 Annual Budget Rate: WD ($/MWh) Hr OATT Sched 1 Annual Budget Rate: WD ($/MWh)
615	S,SC&D OAT Charge $	NUMBER(15,2)	$$	ISO OAT annual budget charge net of any non-physical refund	+ = Due ISO		Cust Sttlmt – Loads: AncServ / Ancillary Services/ OATT Schedule 1 Annual Budget Charge Settlement /Hourly/Stlmnt Results Cust Sttlmt – Transactions: AncSer / Ancillary Services/ OATT Schedule 1 Annual Budget Charge	-1* Hr OATT Sched 1 Net Annual Budget Charge WD Stlmnt: LSE ($) -1* Hr OATT Sched 1 Net Annual Budget Charge WD Stlmnt: TC ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
							Settlement /Hourly/Stlmnt Results	
617	LRR Black Start Charge$	NUMBER(15,2)	$$	Daily total Local Reliability Black start charge	+ = Due ISO		Cust Sttlmt – Loads: AncServ N/A Cust Sttlmt – Transactions: AncSer N/A	N/A N/A
618	Hrly Reg Rev Adj $	NUMBER(15,2)	$$	Regulation Revenue Adjustment	+ = Due ISO		Cust Sttlmt – Loads: AncServ Ancillary Services/OATT Schedule 3 – Regulation/Hourly/Stlmnt Results	-1* Hr RRA Stlmnt: LSE ($)
619	Hrly Sup Event Charge $	NUMBER(15,2)	$$	Supplemental Event Charge	+ = Due ISO		Cust Sttlmt – Loads: AncServ Uplift Allocations/Supplemental Event Charge/Hourly/Stlmnt Results Cust Sttlmt – Transactions: AncSer Uplift Allocations/Supplemental Event Charge/Hourly/Stlmnt Results	-1* Hr Supp Event Stlmnt: LSE ($) -1* Hr Supp Event Stlmnt: TC ($)
620	Hrly Fin Impact Credit $	NUMBER(15,2)	$$	Financial Impact Credit	+ = Due Transmission Customer		Cust Sttlmt – Loads: AncServ Settlement Allocations/Financial Impact Credit/Hourly/Stlmnt Results Cust Sttlmt – Transactions: AncSer Settlement Allocations/Financial Impact Credit/Hourly/Stlmnt Results	Hr Fin Imp Cred Stlmnt: LSE ($) Hr Fin Imp Cred Stlmnt: TC ($)
621	Hrly Ext LBMP Export	NUMBER(17,4)	MWh	Scheduled LBMP Export Transactions MWHr				Hr RT LBMP Export Trans: TC (MW)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
	Transactions MWHr						Cust Sttlmt – Transactions: AncSer / Ancillary Services/OATT Sched 1 Annual Budget Charge Settlement/Hourly/Billing Determinants	
622	Hrly Ext Import Transactions MWHr	NUMBER(17,4)	MWh	Schedule Import Transactions MWHr (LBMP and point-to-point transactions)			Cust Sttlmt – Transactions: AncSer / Ancillary Services/MST Schedule 1 (S, SC &D)/Hourly/Billing Determinants	Hr RT Import Trans: TC (MW)
257	S SC&D OAT Inject Rate	NUMBER(15,2)	$/MWh	ISO OAT schedule 1 rate on injections			Cust Sttlmt – Transactions: AncSer / Ancillary Services/ OATT Schedule 1 Annual Budget Charge Settlement /Hourly/Intermediate Calculations	Hr OATT Sched 1 Annual Budget Rate: Inj ($/MWh)
624	S SC&D OAT Inject Rate $	NUMBER(15,2)	$$	ISO OAT schedule 1 charge on injections	+ = Due ISO		Cust Sttlmt – Transactions: AncSer / Ancillary Services/ OATT Schedule 1 Annual Budget Charge Settlement /Hourly/Stlmnt Results	Hr OATT Sched 1 Net Annual Budget Charge Inj Stlmnt: TC ($)
631	ISONE Schedule	NUMBER(17,4)	MWh	Scheduled transactions withdrawn at the New England proxy bus			Cust Sttlmt – Transactions: AncSer / Settlement Allocations/NTAC/Hourly/Intermediate Calculations	Hr RT NTAC Sched: NE (MW)
632	ISONE NTAC Rate	NUMBER(15,2)	$/MWh	NTAC Rate at the New England proxy bus			Cust Sttlmt – Transactions: AncSer / Settlement Allocations/NTAC/Hourly/Billing Determinants	Hr NTAC Rate: NE ($/MW)
633	HQ Schedule	NUMBER(17,4)	MWh	Scheduled transactions withdrawn at the Hydro Québec proxy bus			Cust Sttlmt – Transactions: AncSer / Settlement Allocations/NTAC/Hourly/Intermediate Calculations	Hr RT NTAC Sched: HQ (MW)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
634	HQ NTAC Rate	NUMBER(15,2)	$/MWh	NTAC Rate at the Hydro Quebec proxy bus			Cust Sttlmt – Transactions: AncSer Settlement Allocations/NTAC/Hourly/Billing Determinants	Hr NTAC Rate: HQ ($/MW)
635	OH Schedule	NUMBER(17,4)	MWh	Scheduled transactions withdrawn at the Ontario Hydro proxy bus			Cust Sttlmt – Transactions: AncSer Settlement Allocations/NTAC/Hourly/Intermediate Calculations	Hr RT NTAC Sched: OH (MW)
636	OH NTAC Rate	NUMBER(15,2)	$/MWh	NTAC Rate at the Ontario Hydro proxy bus			Cust Sttlmt – Transactions: AncSer Settlement Allocations/NTAC/Hourly/Billing Determinants	Hr NTAC Rate: OH ($/MW)
637	PJM Schedule	NUMBER(17,4)	MWh	Scheduled transactions withdrawn at the PJM proxy bus			Cust Sttlmt – Transactions: AncSer Settlement Allocations/NTAC/Hourly/Intermediate Calculations	Hr RT NTAC Sched: PJM (MW)
638	PJM NTAC Rate	NUMBER(15,2)	$/MWh	NTAC Rate at the PJM proxy bus			Cust Sttlmt – Transactions: AncSer Settlement Allocations/NTAC/Hourly/Billing Determinants	Hr NTAC Rate: PJM ($/MW)
639	Ramapo PAR Charge $	NUMBER(15,2)	$$	Ramapo Phase Angle Regulator Charge	+ = Due ISO		Cust Sttlmt – Loads: AncServ Ancillary Services /OATT Service Payments/Hourly/Stlmnt Results Cust Sttlmt – Transactions: AncSer Ancillary Services /OATT Service Payments/Hourly/Stlmnt Results	-1* Hr Ramapo PAR Stlmnt: LSE ($) -1* Hr Ramapo PAR Stlmnt: TC ($)
640	Station 80 Charge $	NUMBER(15,2)	$$	Station 80 Capacitor Bank Charge	+ = Due ISO		Cust Sttlmt – Loads: AncServ Ancillary Services /OATT Service Payments/Hourly/Stlmnt Results	-1* Hr Station 80 Stlmnt: LSE ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
							Cust Sttlmt – Transactions: AncSer Ancillary Services /OATT Service Payments/Hourly/Stlmnt Results	-1* Hr Station 80 Stlmnt: TC ($)
641	Local Black Start/Rest Charge $	NUMBER(15,2)	$$	Local Black Start and Restoration Services Charge	+ = Due ISO		Cust Sttlmt – Loads: AncServ Ancillary Services /OATT Schedule 6 - Black Start/Hourly/Stlmnt Results	-1* Hr Local Black Start Stlmnt: LSE ($) + -1*Hr LBS Test Stlmnt: LSE ($)
642	EDRP/SCR Demand Response Charge $ (Local)	NUMBER(19,6)	$$	The TOs Local EDRP / SCR Charge	+ = Due ISO		Cust Sttlmt – Loads: AncServ Settlement Allocations/EDRP/Hourly Settlement Allocations/SCR/Hourly	-1*Hr EDRP Local Stlmnt: LSE ($) + -1*Hr SCR Local Stlmnt: LSE ($)
643	EDRP/SCR Demand Response Charge $ (NYISO-wide)	NUMBER(19,6)	$$	The NYISO-wide EDRP / SCR Charge	+ = Due ISO		Cust Sttlmt – Loads: AncServ Settlement Allocations/EDRP/Hourly Settlement Allocations/SCR/Hourly	-1*Hr EDRP NYISO-Wide Stlmnt: LSE ($) + -1*Hr SCR NYISO-Wide Stlmnt: LSE ($)
644	FERC Fees OAT WD Charge $	NUMBER(15,2)	$$	The FERC fees charge assessed to withdrawals for the hour	+ = Due ISO		Cust Sttlmt – Loads: AncServ OATT Sched 1 FERC Fees Settlement/Hourly/Stlmnt Results Cust Sttlmt – Transactions: AncSer OATT Sched 1 FERC Fees Settlement/Hourly/Stlmnt Results	-1* Hr OATT Sched 1 FERC Fees WD Stlmnt: LSE ($) + -1* Hr OATT Sched 1 FERC Fees WD Stlmnt: TC ($)
645	FERC Fees OAT Inject Charge $	NUMBER(15,2)	$$	The FERC fees charge assessed to injections for the hour	+ = Due ISO		Cust Sttlmt – Transactions: AncSer	-1* FERC Fees Inj Stlmnt: TC ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
							OATT Sched 1 FERC Fees Settlement/Hourly/Stlmnt Results	
646	Fee Exempt Import MWHr	NUMBER(17,4)	MWh	Import transaction schedule MWh which are exempt from fees in conjunction with Coordinated Transaction Scheduling (CTS)	N/A		Cust Sttlmt – Transactions: AncSer / OATT Sched 1 FERC Fees Settlement/Hourly/Billing Determinants	Hr Fee Exempt Import (MWh)
647	Fee Exempt Export MWHr	NUMBER(17,4)	MWh	Export transaction schedule MWh which are exempt from fees in conjunction with Coordinated Transaction Scheduling (CTS)	N/A		Cust Sttlmt – Transactions: AncSer / OATT Sched 1 FERC Fees Settlement/Hourly/Billing Determinants	Hr Fee Exempt Export (MWh)
651	DER Demand Reduction Charge $	NUMBER(15,2)	$$	DER Demand reduction settlement allocated to a given LSE for the hour	+ = Due ISO		Cust Sttlmt – Loads: AncServ / Settlement Allocations/Hourly	Hr DER Demand Reduction Stlmnt: LSE ($)

VI. Transmission Congestion Contract (TCC) Holders Data (Hourly)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
100	Org name	VARCHAR2(50)	ID	Organization Name			Cust Sttlmt - TCC / Organization	Org Name
900	TCC Contract ID	NUMBER (13,0)	ID#	Transmission Congestion Contract ID			Cust Sttlmt - TCC / Trans Cong Contract	TCC ID
101	Start day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust Sttlmt - TCC / Time/Day	Interval Start Day (Eastern) Note: Format is slightly different. DSS format is MM/DD/YYYY.
102	Start hour	NUMBER(2)	Hour	Start Hour			Cust Sttlmt - TCC / Time/Hour	Interval Start Hour (Eastern)
901	Tcc credit	NUMBER(16,2)	$$	Transmission Congestion Contract payment value	+ = Due TCC holder		Cust Sttlmt - TCC / TCC Rent Settlement/Hourly/Stlmnt Results	Hr TCC Rent Stlmnt ($)

VII. Demand Reduction Programs (Hourly)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
100	Org name	VARCHAR2(80)	ID	Transmission Owner Name			Cust Sttlmt – Demand Response Organization	Org Name
2000	Demand Reduction Provider Name	VARCHAR2(80)	ID	Unique transaction Identifier			Cust Sttlmt – Demand Response Demand Response Bus	DRBus Name
2001	Demand Reduction Provider PTID	NUMBER	ID #				Cust Sttlmt – Demand Response Demand Response Bus	DRBus PTID
101	Start day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust Sttlmt – Demand Response Time/Day	Interval Start Day (Eastern) Note: Format is slightly different. DSS format is MM/DD/YYYY.
102	Start hour	NUMBER(2)	Hour	Start Hour			Cust Sttlmt – Demand Response Time/Hour	Interval Start Hour (Eastern)
2002	DAM Demand Reduction Schedule MWHr	NUMBER(18,4)	##	Reduction scheduled			Cust Sttlmt – Demand Response DADRP Incentive Settlement/Hourly/Billing Determinants	Hr DADRP Sched Reduction (MW)
2003	Demand Reduction Acutal MWHR	NUMBER(18,4)	##	Reduction achieved			Cust Sttlmt – Demand Response DADRP Incentive Settlement/Hourly/Billing Determinants	Hr DADRP Metered Reduction (MW)
203	DAM LBMP (Generator)	NUMBER(16,2)	$$	DAM LBMP price at pseudo-generator bus			Cust Sttlmt – Demand Response DADRP Incentive Settlement/Hourly/Billing Determinants	DAM Total Price: DADRP ($/MW)
403	DAM LBMP (Zonal)	NUMBER(16,2)	$$	DAM Zonal LBMP price for LSE			Cust Sttlmt – Loads DAM Energy Settlement/Hourly/Billing Determinants	DAM Total Price: LSE ($/MW)
2004	R/T LBMP (Generator – Time Weighted But Not Load Weighted)	NUMBER(16,2)	$$	R/T LBMP price at pseudo-generator bus			Cust Sttlmt – Demand Response DADRP DRP Penalty Settlement/Hourly/Billing Determinants	Hr RT Total Price: DADRP ($/MW)
408	R/T LBMP (Zonal)	NUMBER(16,2)	$$	R/T Zonal LBMP price for LSE bus			Cust Sttlmt – Demand Response	Hr RT Zonal Energy Price: DADRP($/MW)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
							DADRP Load Balance Settlement/Hourly/Billing Determinants	
2005	Demand Response Incentive $	NUMBER(16,2)	$$	Hourly program incentive payment	+ = Due DRP		Cust Sttlmt – Demand Response DADRP Incentive Settlement/Hourly/Stlmnt Results	Hr DADRP Incentive ($)
2006	Demand Response Reduction $	NUMBER(16,2)	$$	Hourly payment for reduction	+ = Due LSE		Cust Sttlmt – Demand Response DADRP Reduction Settlement/ Hourly/Stlmnt Results	Hr DADRP Reduction ($)
2007	Demand Response Penalty $	NUMBER(16,2)	$$	Penalty charge for non-performance	- = Due ISO		Cust Sttlmt – Demand Response DADRP DRP Penalty Settlement/Hourly/Stlmnt Results	Hr DADRP Penalty: DRP ($) and Hr DADRP Penalty: LSE ($)
2008	Demand Reduction Load Balancing $	NUMBER(16,2)	$$	Balancing charge for LSE load reduction	- = Due ISO		Cust Sttlmt – Demand Response DADRP Load Balance Settlement/Hourly/Stlmnt Results	Hr DADRP Load Balance ($)
2009	Load Reduction Bid Guarantee $	NUMBER(16,2)	$$	Bid cost guarantee	+ = Due DRP		Cust Sttlmt – Demand Response DADRP BCG Settlement /Intermediate Calculations	Hr Total DADRP Net Cost ($)
2030	Schedule 1 MWhr	NUMBER(20,4)	MWh	Hourly DADRP Schedule1 Injection MWh			Cust Sttlmt – Demand Response ISO Services Charges/ DADRP OATT Schedule 1 /DADRP OATT Sched 1 Annual Budget Charge Settlement/ Hourly/Intermediate Calculations	Hr DADRP Sched 1 Inject (MW)
257	S SC&D OAT Inject Rate	NUMBER(7,6)	$$	Rate at which energy injections are charged for ISO annual budget costs			Cust Sttlmt – Demand Response ISO Services Charges /DADRP OATT Schedule 1/DADRP OATT Schedule 1 Annual Budget Charge Settlement/ Hourly/Intermediate Calculations	Hr OATT Sched 1 Annual Budget Rate: Inj ($/MWh)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
2032	S SC&D OAT Inject Charge $	NUMBER(19,6)	$$	Settlement for ISO annual budget charges net of any non-physical refund for the demand response bus	+ = Due ISO		Cust Sttlmt – Demand Response / ISO Services Charges /DADRP OATT Schedule 1/DADRP OATT Schedule 1 Annual Budget Charge Settlement / Hourly/Stlmnt Results	Hr OATT Sched 1 Net Annual Budget Charge Inj Stlmnt: DRB ($)
2020	EDRP Demand Response Reduction MWHr	NUMBER(15,2)	MWh	EDRP Demand response reduction MWh			Cust Sttlmt – Demand Response / EDRP Reduction Settlement/Hourly/Other Related Info	Hr EDRP Reduction (MW)
2021	EDRP Demand Response Credit $	NUMBER(15,2)	$$	EDRP Demand response reduction Credit	+ = Due Customer		Cust Sttlmt – Demand Response / EDRP Reduction Settlement/Hourly/Stlmnt Results	Hr EDRP Stlmnt ($)
2022	SCR Demand Response Reduction MWHr	NUMBER(15,2)	MWh	SCR Demand response reduction MWh			Cust Sttlmt – Demand Response / SCR Reduction Settlement/Hourly/Other Related Info	Hr SCR Reduction (MW)
2023	SCR Demand Response Credit $	NUMBER(15,2)	$$	SCR Demand response reduction Credit	+ = Due Customer		Cust Sttlmt – Demand Response / SCR Reduction Settlement /Hourly/Stlmnt Results	Hr SCR Stlmnt ($)
2042	Annual Budget OAT SCR/ EDRP Charge $	NUMBER(15,2)	$$	Settlement for ISO annual budget charges for the EDRP/SCR resource for the hour	+ = Due ISO		Cust Sttlmt – Demand Response / ISO Services Charges/EDRP/SCR OATT Schedule 1/Hourly/ Stlmnt Results	-1* Hr EDRP/SCR OATT Sched 1 Annual Budget Charge Stlmnt ($)
2043	Annual Budget OAT SCR/ EDRP Rate	NUMBER(7,6)	$$	Rate at which EDRP/SCR resources are charged for ISO annual budget costs			Cust Sttlmt – Demand Response / ISO Services Charges/EDRP/SCR OATT Schedule 1/ Hourly/ Intermediate Calculations	Hr EDRP/SCR OATT Sched 1 Annual Budget Rate ($/MWh)
2045	FERC Fees OAT inject Charge $	NUMBER(15,2)	$$	Settlement for FERC fees for the demand response bus for the given hour	+ = Due ISO		Cust Sttlmt – Demand Response / ISO Services Charges/DADRP OATT	

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
							Schedule 1/ DADRP OATT Sched 1 FERC Fees Settlement/Hourly/Stlmnt Results	-1* Hr OATT Sched 1 FERC Fees Inj Stlmnt: DRB ($)

VIII. Virtual Bidding (Hourly)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
100	Org name	VARCHAR2(50)	ID	Name of the Organization			Cust Sttlmt – Virtual Market / Organization	Org Name
400	LSE name	VARCHAR2(50)	ID	Name of Load Serving Entity			Cust Sttlmt – Virtual Market / Virtual Bid Entity	Virtual Bid Entity Name
3000	Virtual Bus name	VARCHAR2(50)	ID	Name of Virtual Load or Supply Bus			Cust Sttlmt – Virtual Market / Virtual Supply Market/Virtual Supply Bus Or Cust Sttlmt – Virtual Market / Virtual Load Market/Virtual Load Bus	VS Bus Name Or VL Bus Name
3001	Virtual Bus PTID	NUMBER(5)	ID	NYISO assigned point identifier			Cust Sttlmt – Virtual Market / Virtual Supply Market/Virtual Supply Bus Or Cust Sttlmt – Virtual Market / Virtual Load Market/Virtual Load Bus	VS Bus PTID Or VL Bus PTID
101	Start day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust Sttlmt – Virtual Market / Time/Day	Interval Start Day (Eastern) Note: Format is slightly different.

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
								DSS format is MM/DD/YYYY.
102	Start hour	NUMBER(2)	Hour	Start Hour			Cust Sttlmt – Virtual Market / Time/Hour	Interval Start Hour (Eastern)
412	Virtual Load MWh	NUMBER(18,4)	MWh	Virtual load bid scheduled day-ahead	+ = MWh Purchased		Cust Sttlmt – Virtual Market / Virtual Load Market/DAM Vload Settlement/Hourly/Billing Determinants	Hr DAM VLoad Energy (MW)
413	DAM Virtual Load $	NUMBER(16,2)	$$	Day-head Virtual Load settlement	+ = Due ISO		Cust Sttlmt – Virtual Market / Virtual Load Market/DAM Vload Settlement/Hourly/Stlmnt Results	-1* Hr Total DAM VLoad Stlmnt ($)
414	Virtual Supplier MWh	NUMBER(18,4)	MWh	Virtual supply bid scheduled day-ahead	+ = MWh Sold		Cust Sttlmt – Virtual Market / Virtual Supply Market/DAM VSupply Settlement/Hourly/Billing Determinants	-1* Hr DAM VSupply Energy (MW)
415	DAM Virtual Supplier $	NUMBER(16,2)	$$	Day-head Virtual Supply settlement	+ = Due Customer		Cust Sttlmt – Virtual Market / Virtual Supply Market/DAM VSupply Settlement/Hourly/Stlmnt Results	Hr Total DAM VSupply Stlmnt ($)
416	Balancing Virtual Load $	NUMBER(16,2)	$$	Balancing Virtual Load settlement	- = Due Customer		Cust Sttlmt – Virtual Market / Virtual Load Market/BalMkt VLoad Settlement/Hourly/Stlmnt Results	-1* Hr Total BalMkt VLoad Stlmnt ($)
417	Balancing Virtual Supply $	NUMBER(16,2)	$$	Balancing Virtual Supply settlement	- = Due NYISO		Cust Sttlmt – Virtual Market / Virtual Supply Market/BalMkt VSupply Settlement/Hourly/Stlmnt Results	Hr Total BalMkt VSupply Stlmnt ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
418	Annual Budget OAT Virtuals Charge $	NUMBER(16,2)	$$	Settlement for ISO annual budget charges for the virtual supply and virtual load	+ = Due ISO		Cust Sttlmt – Virtual Market Virtual Supply Market/ Virtual Supply OATT Schedule 1/VSupply OATT Sched 1 Annual Budget Charge Settlement/Hourly/Stlmnt Results Cust Sttlmt – Virtual Market Virtual Load Market/ Virtual Load OATT Schedule 1 / VLoad OATT Sched 1 Annual Budget Charge Settlement/Hourly/Stlmnt Results	-1* Hr VSupply OATT Sched 1 Annual Budget Charge Stlmnt ($) + -1* Hr VLoad OATT Sched 1 Annual Budget Charge Stlmnt ($)
419	FERC Fees OAT Virtuals Charge $	NUMBER(16,2)	$$	Settlement for FERC fee charges for the virtual supply and virtual load	+ = Due ISO		Cust Sttlmt – Virtual Market Virtual Supply Market/ Virtual Supply OATT Schedule 1/ VSupply OATT Sched 1 FERC Fees Settlement/Hourly/Stlmnt Results Cust Sttlmt – Virtual Market Virtual Load Market/ Virtual Load OATT Schedule 1/ VLoad OATT Sched 1 FERC Fees Settlement/Hourly/Stlmnt Results	-1* Hr VSupply OATT Sched 1 FERC Fees Stlmnt ($) + -1* Hr VLoad OATT Sched 1 FERC Fees Stlmnt ($)
420	Annual Budget OAT Virtuals Rate	NUMBER(7,6)	$$	Rate at which virtual transactions are charged for ISO annual budget costs			Cust Sttlmt – Virtual Market Virtual Supply Market/ Virtual Supply OATT Schedule 1 /VSupply OATT Sched 1 Annual Budget Charge Settlement/Hourly/Billing Determinants	-1* Hr VSupply OATT Sched 1 Annual Budget Rate ($/MWh)

IX. Transmission Owner Data [appears only in Transmission Owner advisory statements] (Hourly)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
1000	TP_name	VARCHAR2(50)	ID	Transmission Owner Name			Cust Sttlmt – Transmission Owners / Transmission Provider	Transmission Provider Name
100	Org Name	VARCHAR2(50)	ID	Transmission Customer of record for transaction imwhr			Cust Sttlmt – Transmission Owners / Transmission Service Charge MWh	TC Org Name
400	LSE name	VARCHAR2(50)	ID	Name of Load Serving Entity(for External Transaction this will be NULL) for the sink			Cust Sttlmt – Transmission Owners / N/A - Always Null	N/A - Always Null
500	Trans_id	NUMBER	ID #	Unique transaction Identifier			Cust Sttlmt – Transmission Owners / Transmission Service Charge MWh	TransCnt ID
101	Start day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust Sttlmt – Transmission Owners / Time/Day	Interval Start Day (Eastern) Note: Format is slightly different. DSS format is MM/DD/YYYY.
102	Start hour	NUMBER(2)	Hour	Start Hour			Cust Sttlmt – Transmission Owners / Time/Hour	Interval Start Hour (Eastern)
1002	Ext_tsc_imwhr	NUMBER(18,4)	MWh	MWh of export transactions			Cust Sttlmt – Transmission Owners / Transmission Service Charge MWh	Hr TSC Ext Energy (MWh)
1004	Ext Proxy Bus POW PTID	NUMBER(5)	ID	NYISO assigned point identifier for a transaction's point of withdrawal			Cust Sttlmt – Transactions / Load Bus	TransCnt Load Bus PTID

X. Transmission Owner Data - NYPA NTAC [appears only in NYPA's advisory statements] (Hourly)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
100	Org name	VARCHAR2(50)	ID	Organization Name			Cust Sttlmt – Transmission Owner / Organization	Org Name
1000	TP name	VARCHAR2(50)	ID	Transmission Owner Name			Cust Sttlmt – Transmission Owner / Transmission Provider	Transmission Provider Name
101	Start day	DATE Format:	Date	Start Date			Cust Sttlmt – Transmission Owner	Interval Start Day (Eastern)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
		MON/DD/YYYY					Time/Day	Note: Format is slightly different. DSS format is MM/DD/YYYY.
102	Start hour	NUMBER(2)	Hour	Start Hour			Cust Sttlmt – Transmission Owner / Time/Hour	Interval Start Hour (Eastern)
1003	NTAC Credit	NUMBER(16,2)	$$	NTAC credit (applies only to NYPA)	+ = Due TO		Cust Sttlmt – Transmission Owner / NTAC	Hr NTAC (NYPA) ($)

XI. Transmission Owner Data - Grandfathered Transaction Exempt from TSC [only in TO advisory statements] (Hourly)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
1000	TP Name	VARCHAR2(50)	ID	Transmission Owner Name			This report is not currently populated in the Hourly Statement file.	This report is not currently populated in the Hourly Statement file.
500	Trans ID	NUMBER	ID #	Unique transaction Identifier			This report is not currently populated in the Hourly Statement file.	This report is not currently populated in the Hourly Statement file.
101	Start day	DATE Format: MON/DD/YYYY	Date	Start Date			This report is not currently populated in the Hourly Statement file.	This report is not currently populated in the Hourly Statement file.
102	Start hour	NUMBER(2)	Hour	Start Hour			This report is not currently populated in the Hourly Statement file.	This report is not currently populated in the Hourly Statement file.
1050	Transaction User Ref	VARCHAR2(16)	ID				This report is not currently populated in the Hourly Statement file.	This report is not currently populated in the Hourly Statement file.
1051	PTID OF POI	NUMBER	ID	NYISO assigned point identifier of transaction point of injection			This report is not currently populated in the Hourly Statement file.	This report is not currently populated in the Hourly Statement file.
1052	PTID OF POW	NUMBER	ID	NYISO assigned point identifier of transaction point of withdrawal			This report is not currently populated in the Hourly Statement file.	This report is not currently populated in the Hourly Statement file.
1053	Exempt MWh	NUMBER(18,4)	MWh	MWh amount of transaction exempt from TSC			This report is not currently populated in the Hourly Statement file.	This report is not currently populated in the Hourly Statement file.

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name

XII. Transmission Owner Data - Service Payments [only in TO advisory statements] (Hourly)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
1000	TP name	VARCHAR2(50)	ID	Transmission Owner Name			Cust Sttlmt – Transmission Owner / Transmission Provider	Transmission Provider Name
101	Start day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust Sttlmt – Transmission Owner / Time/Day	Interval Start Day (Eastern) Note: Format is slightly different. DSS format is MM/DD/YYYY.
102	Start hour	NUMBER(2)	Hour	Start Hour			Cust Sttlmt – Transmission Owner / Time/Hour	Interval Start Hour (Eastern)
1005	Ramapo PAR Credit $	NUMBER(15,2)	$$	Ramapo Phase Angle Regulator Payment	+ = Due TO		Cust Sttlmt – Transmission Owner / Service Payments/Hourly	Hr Ramapo PAR Stlmnt: TO ($)
1006	Station 80 Credit $	NUMBER(15,2)	$$	Station 80 Capacitor Bank Payment	+ = Due TO		Cust Sttlmt – Transmission Owner / Service Payments/Hourly	Hr Station 80 Stlmnt: TO ($)

XIII. Transmission Customers Data - Trading Hub LBMP Transactions - (Hourly)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
100	Org name	VARCHAR2(50)	ID	Name of the Organization			Cust Sttlmt – Transactions / Source Organization Cust Sttlmt – Transactions / Sink Organization	Src Org Name Sink Org Name
500	Trans ID	NUMBER(32)	ID #	Unique transaction identifier			Cust Sttlmt – Transactions / Transaction Contracts	TransCnt ID
101	Start day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust Sttlmt – Transactions	Interval Start Day (Eastern) Note: Format is slightly different.

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
							Time/Day	DSS format is MM/DD/YYYY.
102	Start hour	NUMBER(2)	Hour	Start Hour			Cust Sttlmt – Transactions Time/Hour	Interval Start Hour (Eastern)
540	DAM Hrly Trading Hub MW	NUMBER(17,4)	MWh	Day-ahead hourly Trading Hub MWh amount either sold to or purchased from the NYISO LBMP market	+ = MWh Sold to ISO		Cust Sttlmt – Transactions Trading Hub Transactions/DAM Trading Hub LBMP Energy Settlement/Hourly/Billing Determinants	Hr DAM Trading Hub – Sink (MW) + Hr DAM Trading Hub – Src (MW)
541	DAM Hrly Trading Hub Energy $	NUMBER(15,2)	$$	Day-ahead hourly energy component of Trading Hub LBMP energy settlement	+ = Due Trading Hub Energy Owner		Cust Sttlmt – Transactions Trading Hub Transactions/DAM Trading Hub LBMP Energy Settlement/Hourly/Stlmnt Results	Hr DAM Trading Hub LBMP Energy Stlmnt – Sink ($) + Hr DAM Trading Hub LBMP Energy Stlmnt – Src ($)
542	DAM Hrly Trading Hub Loss $	NUMBER(15,2)	$$	Day-ahead hourly loss component of Trading Hub LBMP energy settlement	+ = Due Trading Hub Energy Owner		Cust Sttlmt – Transactions Trading Hub Transactions/DAM Trading Hub LBMP Energy Settlement/Hourly/Stlmnt Results	Hr DAM Trading Hub LBMP Loss Stlmnt – Sink ($) + Hr DAM Trading Hub LBMP Loss Stlmnt – Src ($)
543	DAM Hrly Trading Hub Cong $	NUMBER(15,2)	$$	Day-ahead hourly congestion component of Trading Hub LBMP energy settlement	+ = Due Trading Hub Energy Owner		Cust Sttlmt – Transactions Trading Hub Transactions/DAM Trading Hub LBMP Energy Settlement/Hourly/Stlmnt Results	Hr DAM Trading Hub LBMP Cong Stlmnt – Sink ($) + Hr DAM Trading Hub LBMP Cong Stlmnt – Src ($)
544	DAM Hrly Trading Hub LBMP $	NUMBER(15,2)	$$	Day-ahead hourly total Trading Hub LBMP energy settlement	+ = Due Trading Hub Energy Owner		Cust Sttlmt – Transactions Trading Hub Transactions/DAM Trading Hub LBMP Energy Settlement/Hourly/Stlmnt Results	Hr DAM Trading Hub Total LBMP Stlmnt – Sink ($) + Hr DAM Trading Hub Total LBMP Stlmnt – Src ($)
545	R/T Hrly Trading Hub MW	NUMBER(17,4)	MWh	Real-time hourly Trading Hub MWh amount either sold to or purchased from the NYISO LBMP market	+ = MWh Sold to ISO		Cust Sttlmt – Transactions	Hr RT Trading Hub – Sink (MW) + Hr RT Trading Hub – Src (MW)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
							Trading Hub Transactions/RT Trading Hub LBMP Energy Settlement/Hourly/Billing Determinants	
546	R/T Hrly Trading Hub Energy $	NUMBER(15,2)	$$	Real-time hourly energy component of Trading Hub LBMP energy settlement	+ = Due Trading Hub Energy Owner		Trading Hub Transactions/Cust Sttlmt – Transactions RT Trading Hub LBMP Energy Settlement/Hourly/Stlmnt Results	Hr RT Trading Hub LBMP Energy Stlmnt – Sink ($) + Hr RT Trading Hub LBMP Energy Stlmnt – Src ($)
547	R/T Hrly Trading Hub Loss $	NUMBER(15,2)	$$	Real-time hourly loss component of Trading Hub LBMP energy settlement	+ = Due Trading Hub Energy Owner		Cust Sttlmt – Transactions Trading Hub Transactions/RT Trading Hub LBMP Energy Settlement/Hourly/Stlmnt Results	Hr RT Trading Hub LBMP Loss Stlmnt – Sink ($) + Hr RT Trading Hub LBMP Loss Stlmnt – Src ($)
548	R/T Hrly Trading Hub Cong $	NUMBER(15,2)	$$	Real-time hourly congestion component of Trading Hub LBMP energy settlement	+ = Due Trading Hub Energy Owner		Cust Sttlmt – Transactions Trading Hub Transactions/RT Trading Hub LBMP Energy Settlement/Hourly/Stlmnt Results	Hr RT Trading Hub LBMP Cong Stlmnt – Sink ($) + Hr RT Trading Hub LBMP Cong Stlmnt – Src ($)
549	R/T Hrly Trading Hub LBMP $	NUMBER(15,2)	$$	Real-time hourly total Trading Hub LBMP energy settlement	+ = Due Trading Hub Energy Owner		Cust Sttlmt – Transactions Trading Hub Transactions/RT Trading Hub LBMP Energy Settlement/Hourly/Stlmnt Results	Hr RT Trading Hub Total LBMP Stlmnt – Sink ($) + Hr RT Trading Hub Total LBMP Stlmnt – Src ($)

XIV. Transmission Providers – Storage Withdrawals TSC – (Hourly)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
1000	TP name	VARCHAR2(50)	ID	Transmission Owner Name			Cust Sttlmt – Transmission Providers – Storage Withdrawals TSC Transmission Provider	Transmission Provider Name

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
110	Gen Org Name	VARCHAR2(50)	ID	Name of the Generator's Organization			Cust Sttlmt – Transmission Providers – Storage Withdrawals TSC Transaction Provider/Generator	Gen Org Name
200	Gen Name	VARCHAR2(50)	ID	Name of the Generator			Cust Sttlmt – Transmission Providers – Storage Withdrawals TSC Transaction Provider/Generator	Gen Name
201	Gen PTID	NUMBER(5)	ID	NYISO assigned Generator identifie			Cust Sttlmt – Transmission Providers – Storage Withdrawals TSC Transaction Provider/Generator	Gen PTID
101	Start Day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust Sttlmt – Transmission Providers – Storage Withdrawals TSC Time/Day	Interval Start Day (Eastern)
102	Start Hour	NUMBER(2)	Hour	Start Hour			Cust Sttlmt – Transmission Providers – Storage Withdrawals TSC Time/Hour	Interval Start Hour (Eastern)
1054	Storage Withdrawal TSC MWh	NUMBER(17,4)	MWh	MWh withdrawal subject to charge Transmission Service Charges(TSC) to the generator			Cust Sttlmt – Transmission Providers – Storage Withdrawals TSC Storage Withdrawal TSC/Results	Hr RT Gen TSC-Eligible Withdrawal Energy (MWh)

XV. LSE Storage Withdrawals – (Hourly)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
100	LSE Org Name	VARCHAR2(50)	ID	Name of LSE's Organization			Cust Sttlmt – LSE Storage Withdrawals Organization	Organization Name
400	LSE Name	VARCHAR2(50)	ID	Name of LSE			Cust Sttlmt – LSE Storage Withdrawals Load Serving Entities	LSE Name
110	Gen Org Name	VARCHAR2(50)	ID	Name of the Generator's Organization			Cust Sttlmt – LSE Storage Withdrawals LSE Storgae Withdrawals Settlement/Generator	Gen Org Name

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
200	Gen Name	VARCHAR2(50)	ID	Name of the Generator			Cust Sttlmt – LSE Storage Withdrawals LSE Storgae Withdrawals Settlement/Generator	Gen Name
201	Gen PTID	NUMBER(5)	ID	NYISO assigned Generator identifie			Cust Sttlmt – LSE Storage Withdrawals LSE Storgae Withdrawals Settlement/Generator	Gen PTID
101	Start Day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust Sttlmt – LSE Storage Withdrawals Time/Day	Interval Start Day (Eastern)
102	Start Hour	NUMBER(2)	Hour	Start Hour			Cust Sttlmt – LSE Storage Withdrawals Time/Hour	Interval Start Hour (Eastern)
648	Retail Withdrawals MWh	NUMBER(17,4)	MWh	Storage Withdrawal MWh eligible for retail withdrawal			Cust Sttlmt – LSE Storage Withdrawals LSE Storage Withdrawal Settlements/Hourly/Billing Determinants	Hr Retail Withdrawals (MWh)
649	Hrly R/T Withdrawal Gen LBMP $	NUMBER(15,2)	$$	Hourly intergrated real-time LBMP at the generator			Cust Sttlmt – LSE Storage Withdrawals LSE Storage Withdrawal Settlements/Hourly/Billing Determinants	Hr Retail Withdrawal Gen LBMP ($/MWh)
650	Retail Withdrawals Charge $	NUMBER(15,2)	$$	Rebated dollar amount being charged to the responsible LSE	+ = Due ISO		Cust Sttlmt – LSE Storage Withdrawals LSE Storage Withdrawal Settlements/Hourly/Stlmnt Results	Hr RT Charge for Retail Withdrawals by Gens Stlmnt: LSE ($)

FILE TWO: Daily Data

I. Power Suppliers Data (Daily)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
100	Org name	VARCHAR2(50)	ID	Name of the Organization			Cust Sttlmt – Power Suppliers / Organizations	Org Name
200	Gen name	VARCHAR2(50)	ID	Name for the Generator			Cust Sttlmt – Power Suppliers / Generators	Gen Name
201	Gen Ptid	NUMBER(5)	ID	NYISO assigned Generator identifier			Cust Sttlmt – Power Suppliers / Generators	Gen PTID
101	Start day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust Sttlmt – Power Suppliers / Time/Day	Interval Start Day (Eastern) Note: Format is slightly different. DSS format is MM/DD/YYYY.
300	DAM LBMP MWh	NUMBER(18,4)	MWh	Daily total day ahead LBMP MWh	+ = Sale to the ISO		Cust Sttlmt – Power Suppliers / DAM Energy Settlement/Daily/Other Related Info	Day NYISO DAM Energy (MW)
301	DAM forward Energy $			Daily total day ahead LBMP values	+ = Due Generator		Cust Sttlmt – Power Suppliers / DAM Energy Settlement/Daily/Sttlmnt Results	Day Total DAM Stlmnt: Gen ($)
302	DAM BPCG $	NUMBER(16,2)	$$	Daily dam minimum generation / start up payments	+ = Due Generator		Cust Sttlmt – Power Suppliers / DAM BPCG Settlement/Settlement Results	Day DAM BPCG Stlmnt ($)
303	R/T MWh	NUMBER(18,4)	MWh	Daily total time weighted balancing MWhs	+ = Sale to the ISO		Cust Sttlmt – Power Suppliers / BalMkt Energy Settlement/Daily/Other Related Info	Day Gen BalMkt Energy (MW) + Day CLR (MW)
304	R/T Energy $	NUMBER(16,2)	$$	Daily balancing energy payment or charge	+ = Due Generator		Cust Sttlmt – Power Suppliers / BalMkt Energy Settlement/Daily/Sttlmnt Results	Day Total BalMkt Stlmnt – Gen ($) + Day Total CLR BalMkt Stlmt: Gen ($)
305	R/T BPCG $	NUMBER(16,2)	$$	Daily balancing minimum generation / start up payments	+ = Due Generator		Cust Sttlmt – Power Suppliers	Day RT BPCG Stlmnt ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
							Real Time BPCG Settlement/Settlement Results	
306	Voltage Support $	NUMBER(16,2)	$$	Daily Voltage payment based on in service time and fixed rate or fixed payment schedule for units under contract to supply installed capacity	+ = Due Generator		Cust Sttlmt - PowerSupplrs: AncServ Voltage Support Service/VSS Credit/Daily	Day VSS Stlmnt ($)
307	VSS LOC $	NUMBER(16,2)	$$	Daily Lost opportunity cost value for units directed to hold a MW output to support voltage	+ = Due Generator		Cust Sttlmt - PowerSupplrs: AncServ Voltage Support Service/VSS LOC/Daily	Day VSS LOC Stlmnt ($)
308	Regulation Payment $	NUMBER(16,2)	$$	Daily Regulation Response Availability Payment	+ = Due Generator		Cust Sttlmt - PowerSupplrs: AncServ Regulation Service/DAM Regulation Capacity/Daily Regulation Service/Sup Regulation Availability/Daily Regulation Service/Regulation Replacement/Daily Regulation Service/BalMkt Regulation Capacity/Daily	**For Pre-SMD Billing Days:** Day DAM Reg Capacity Stlmnt ($) + Day Sup Reg Avail Stlmnt ($) + Day Reg Replacement Cost ($) **For Post-SMD Billing Days:** Day DAM Reg Avail Stlmnt ($) + Day BalMkt Reg Capacity Stlmnt ($)
309	Regulation Charge $	NUMBER(16,2)	$$	Daily Regulation & Frequency Response Penalties	+ = Due ISO		Cust Sttlmt - PowerSupplrs: AncServ Regulation Service/Regulation Penalty/Daily	**-1*** Day Reg Penalty

310	Operating Reserve Payment $	NUMBER(16,2)	$$	Daily Total Operating Reserve Service Settlement Payment	+ = Due Generator		Cust Sttlmt - PowerSupplrs: AncServ 10-Min Sync Operating Reserves/DAM 10-Min Sync Availability/Daily 10-Min Sync Operating Reserves/Sup 10-Min Sync Availability/Daily 10-Min Sync Operating Reserves/10-Min Sync Reduction /Daily 10-Min Non-Sync Operating Reserves/DAM 10-Min NonSync Availability/Daily 10-Min Non-Sync Operating Reserves/Sup 10-Min NonSync Availability/Daily 10-Min Non-Sync Operating Reserves/10-Min NonSync Reduction/Daily 30-Min Operating Reserves/DAM 30-Min OperRes Availability/Daily 30-Min Operating Reserves/Sup 30-Min OperRes Availability/Daily 30-Min Operating Reserves/30-Min Reduction /Daily Operating Reserve LOCs and Penalties/Sync LOC/Daily/Stlmnt Results	For Pre-SMD Billing Days: Day DAM 10Sync Avail Stlmnt ($) + Day Sup 10Sync Avail Stlmnt ($) + Day 10Sync Reduct Stlmnt ($) + Day DAM 10NSync Avail Stlmnt ($) + Day Sup 10NSync Avail Stlmnt ($) + Day 10NSync Reduct Stlmnt ($) + Day DAM 30Min Avail Stlmnt ($) + Day Sup 30Min Avail Stlmnt ($) + Day 30Min Reduct Stlmnt ($) + Day 10Sync LOC Stlmnt ($) +

							LOCs and Penalties/10-Min NonSync LOC/Daily **Operating Reserve LOCs and Penalties/10-Min NonSync LOC/Daily** **Operating Reserve LOCs and Penalties/10-Min Penalty/Daily** **10-Min Sync Operating Reserves/BalMkt 10-Min Sync Availability/Daily** **10-Min Non-Sync Operating Reserves/BalMkt 10-Min NonSync Availability/Daily** **30-Min Operating Reserves/BalMkt 30-Min OperRes Availability/Daily**	

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
							Operating Reserve LOCs and Penalties/ 10- Min NonSync LOC/ Daily Operating Reserve LOCs and Penalties/10-Min Shortfall Penalty/Daily 10-Min Sync Operating Reserves/DAM 10-Min Sync Availability/Daily 10-Min Sync Operating Reserves/BalMkt 10-Min Sync Availability/Daily 10-Min Non-Sync Operating Reserves/DAM 10-Min NonSync Availability/Daily 10-Min Non- Sync Operating Reserves/BalMkt 10-Min Non Sync Availability/Daily 30-Min Operating Reserves/DAM 30-Min OperRes Availability/Daily 30-Min Operating Reserves/BalMkt 30-Min Availability/Daily	Day Adj 10NSync LOC Stlmnt ($) + Day 10Min Shortfall Stlmnt ($) **For Post-SMD Billing Days:** Day DAM 10Sync Avail Stlmnt ($) + Day BalMkt 10Sync Avail Stlmnt ($) + Day DAM 10NSync Avail Stlmnt ($) + Day BalMkt 10NSync Avail Stlmnt ($) + Day DAM 30Min Avail Stlmnt ($) + Day BalMkt 30Min Avail Stlmnt ($)
311	Black Start Daily Revenue Reqt	NUMBER(16,2)	$$	Daily Black Start Revenue Requirement	+ = Due Generator		Cust Sttlmt - PowerSupplrs: AncServ Black Start/Daily/Stlmnt Results	Day Black Start Stlmnt ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
312	Black Start Service Payment $	NUMBER(16,2)	$$	Black Start Service Payment	+ = Due Generator		Cust Sttlmt - PowerSupplrs: AncServ Black Start/Daily/Stlmnt Results	Day Black Start Stlmnt ($)
313	DAM Contract Balancing Payment $	NUMBER(16,2)	$$	Payment to make units whole for being dispatched below their day-ahead schedule out-of-merit	+ = Due Generator		Cust Sttlmt – Power Suppliers DAMAP Settlement – Pre-SMD/Daily/Stlmnt Results Or Cust Sttlmt – Power Suppliers DAMAP Settlement – SMD/Stlmnt Results	Day DAM MargAsrc Stlmnt ($) + Day DAM MargAsrc LRR Stlmnt ($)
314	ELR DAM Contract Balancing Payment $	NUMBER(16,2)	$$	Payment to make units whole for being dispatched below their day-ahead schedule out-of-merit as ELR.	+ = Due Generator		Cust Sttlmt – Power Suppliers ELR DAM Margin Assurance/Settlement Results	Day ELR DAM MargAsrc Stlmnt ($)
316	Regulation Rev Adj $	NUMBER(15,2)	$$	Daily Regulation Revenue Adjustment	+ = Due Generator		Cust Sttlmt - PowerSupplrs: AncServ Regulation Service/Regulation Revenue Adj/Daily	Day Reg Rev Adj Stlmnt ($)
317	Sup Event Credit $	NUMBER(15,2)	$$	Daily Supplemental Event Credit	+ = Due Generator		Cust Sttlmt – Power Suppliers Supplemental Event Credit/Daily	Day Supplemental Event Stlmnt ($)
318	Injection MWHr	NUMBER(17,4)	MWh	Injection MWHr			Cust Sttlmt - PowerSupplrs: AncServ ISO Services Charges/OATT Sched 1 Annual Budget Charge Settlement/Daily	Day Sched 1 Inject (MW)
321	S SC&D OAT Inject Rate	NUMBER(15,2)	$/MWh	Rate at which energy injections are charged for ISO annual budget costs			Cust Sttlmt - PowerSupplrs: AncServ ISO Services Charges/ OATT Sched 1 Annual Budget Charge Settlement/Hourly/Intermediate Calculations	Hr OATT Sched 1 Annual Budget Rate: Inj ($/MWh)
322	S SC&D OAT Inject Charge $	NUMBER(15,2)	$$	Settlement for ISO annual budget charges net of any non-physical refund for the generator	+ = Due ISO		Cust Sttlmt - PowerSupplrs: AncServ ISO Services Charges/ OATT Schedule 1Annual	-1* Day OATT Sched 1 Net Annual Budget Charge Inj Stlmnt: Gen ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
							Budget Charge Settlement /Daily	
327	RT BPCG Mitigation Charge	NUMBER(16,2)	$$	Calculated Hr Real Time BPCG Mitigation charge	Calculated credit to ISO for Con Invoice		Cust Sttlmt – Power Suppliers Real Time BPCG Settlement/Settlements Results	Day RT BPCG Mitg Charge ($)
1017	Local Black Start/Rest Payment $	NUMBER(15,2)	$$	Daily Local Black Start and Restoration Services Payment	+ = Due Generator		Cust Sttlmt - PowerSupplrs: AncServ Black Start/Daily/Stlmnt Results	Day Local Black Start Stlmnt ($) + Day Loc Blk Strt Test Stlmnt ($)
328	Margin Restoration (MOB) Payment $	NUMBER(15,2)	$$	Daily Margin Restoration (Min Oil Burn) Payment	+ = Due Generator		Cust Sttlmt – Power Suppliers Margin Restoration (MOB)/Daily	Day Marg Restor MOB Stlmnt ($)
329	Regulation Movement $	NUMBER(15,2)	$$	Real-Time Market regulation movement settlement for the given Regulation Service provider and day	+ = Due Generator		Cust Sttlmt - PowerSupplrs: AncServ Regulation Service/RT Regulation Movement/Daily	Day RT Reg Movement Stlmnt ($)
330	Regulation Performance Charge $	NUMBER(15,2)	$$	The Real-Time Market regulation performance charge assessed to the given Regulation Service provider, for the day, for not performing as instructed in real-time	+ = Due ISO		Cust Sttlmt - PowerSupplrs: AncServ Regulation Service/RT Regulation Performance Charge/Daily	-1* Day RT Reg Performance Charge ($)
331	FERC Fees OAT Inject Charge $	NUMBER(15,2)	$$	Settlement for FERC fees for the generator for the given day	+ = Due ISO		Cust Sttlmt - PowerSupplrs: AncServ ISO Services Charges/ OATT Sched 1 FERC Fees Settlement/Daily	-1* Day OATT Sched 1 FERC Fees Inj Stlmnt: Gen ($)
332	RMR Avoidable Cost Adjustment $	NUMBER(15,2)	$$	Avoidable cost settlement for Reliability Must Run generator for the given day	+ = Due ISO		Cust Sttlmt – Power Suppliers Reliability Must Run/Avoidable Cost Adjustment	Day RMR Avoidable Cost Adjustment Stlmnt: Gen ($)
333	RMR Variable Cost Adjustment $	NUMBER(15,2)	$$	Variable cost settlement for Reliability Must Run generator for the given day	+ = Due ISO		Cust Sttlmt – Power Suppliers Reliability Must Run/Variable Cost Adjustment	Day RMR Variable Cost Adjustment Stlmnt: Gen ($)
341	Retail Withdrawals Rebate $	NUMBER(15,2)	$$	Rebated dollar amount for an ESR generator's MWh withdrawals at the retail level	+ = Due Generator		Cust Sttlmt – Power Suppliers:	Day RT Rebate for Retail Withdrawals Stlmnt: Gen ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
							Rebate for Retail Withdrawals/Daily/Stlmnt Results	
342	Storage Withdrawal NTAC Charge $	NUMBER(15,2)	$$	NTAC charges assessed to an ESR generator withdrawals	+ = Due ISO		Cust Sttlmt - PowerSupplrs: AncServ / Storage Withdrawal NTAC Charges/Daily/Stlmnt Results	Day RT NTAC Charge for Withdrawal Stlmnt: Gen ($)
2050	DER Demand Reduction MWh	NUMBER(17,4)	MWh	The amount of demand reduction MWs eligible for settlement			Cust Sttlmt - PowerSuppliers: / BalMkt Energy Settlement/Daily/Stlmnt Results	Day Gen BalMkt Demand Reduction Energy (MWh)
2051	DER Demand Reduction Payment $	NUMBER(15,2)	$$	Demand reduction settlement for a given generator	+ = Due Generator		Cust Sttlmt - PowerSuppliers: / BalMkt Energy Settlement/Daily/Stlmnt Results	Day Demand Reduction Stlmnt: Gen ($)

II. Transmission Customers Data - LSE LBMP Energy and Transaction TUC and TSC Charges (Daily)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
100	Org name	VARCHAR2(50)	ID	Name of the Organization			Cust Sttlmt – Loads / Organization	Org Name
400	LSE name	VARCHAR2(50)	ID	Name of Load Serving Entity			Cust Sttlmt – Loads / Load Serving Entity	LSE Name
101	Start day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust Sttlmt – Loads / Time/Day	Interval Start Day (Eastern) Note: Format is slightly different. DSS format is MM/DD/YYYY.
700	DAMLBMP MWh	NUMBER(18,4)	MWh	Daily LBMP MWs purchased Day-Ahead (Load bid MWs)	+ = Purchase from the ISO		Cust Sttlmt – Loads / DAM Energy Settlement/Daily/Other Related Info	Day DAM Sched Load (MW)
701	Fwd Energy $	NUMBER(16,2)	$$	Daily Energy component cost	+ = Due ISO		Cust Sttlmt – Loads / DAM Energy Settlement/Daily/Stlmnt Results	-1* Day DAM Energy Stlmnt: LSE ($)
702	Fwd Loss $	NUMBER(16,2)	$$	Daily Loss component cost	+ = Due ISO		Cust Sttlmt – Loads / DAM Energy Settlement/Daily/Stlmnt Results	-1* Day DAM Loss Stlmnt: LSE ($)
703	Fwd Cong $	NUMBER(16,2)	$$	Daily Congestion component cost	+ = Due ISO		Cust Sttlmt – Loads / DAM Energy Settlement/Daily/Stlmnt Results	-1* Day DAM Cong Stlmnt: LSE ($)
704	LSE R/T MWh (by zone)	NUMBER(18,4)	MWh	Daily Time weighted load estimate based on LSE forecast, adjusted for NYISO measured subzone load proportional with other LSE's in this subzone, net from day ahead schedule and all bilateral transaction MWs	+ = Purchase from the ISO		Cust Sttlmt – Loads / BalMkt Energy Settlement/Daily/Other Related Info	Day BalMkt Load: LSE (MWh)
705	R/T Energy $	NUMBER(16,2)	$$	Daily Energy component cost	+ = Due ISO		Cust Sttlmt – Loads / BalMkt Energy Settlement/Daily/Stlmnt Results	-1* Day BalMkt Energy Stlmnt: LSE ($)
706	R/T Loss $	NUMBER(16,2)	$$	Daily Loss component cost	+ = Due ISO		Cust Sttlmt – Loads / BalMkt Energy Settlement/Daily/Stlmnt Results	-1* Day BalMkt Loss Stlmnt: LSE ($)
707	R/T Cong $	NUMBER(16,2)	$$	Daily Congestion component cost	+ = Due ISO		Cust Sttlmt – Loads / BalMkt Energy Settlement/Daily/Stlmnt Results	-1* Day BalMkt Cong Stlmnt: LSE ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
750	DAM Scheduled Transactions	NUMBER(18,4)	MWh	Daily Total of all day ahead transactions MWh amount			Cust Sttlmt – Transactions / DAM TUC Settlement/Daily/Other Related Info	Day DAM TUC Energy (MWh)
751	Transaction DAM Loss $	NUMBER(16,2)	$$	Daily Total of all transactions Loss component cost	+ = Due ISO		Cust Sttlmt – Transactions / DAM TUC Settlement/Daily/Stlmnt Results	-1* Day DAM TUC Loss Stlmnt ($)
752	Transaction DAM Congestion $	NUMBER(16,2)	$$	Daily Total of all transactions Congestion component cost	+ = Due ISO		Cust Sttlmt – Transactions / DAM TUC Settlement/Daily/Stlmnt Results	-1* Day DAM TUC Cong Stlmnt ($)
753	DAM TUC $	NUMBER(16,2)	$$	Daily Total transmission use charge (Loss_cost + Cong_cost)	+ = Due ISO		Cust Sttlmt – Transactions / DAM TUC Settlement/Daily/Stlmnt Results	-1* Day Total DAM TUC Stlmnt ($)
754	R/T Scheduled Transactions	NUMBER(18,4)	MWh	Daily Total of all R/T transaction MWhs			Cust Sttlmt – Transactions / BalMkt TUC Stlmnt/Daily/Other Related Info	Day BalMkt TUC Sched (MWh)
755	R/T Loss $	NUMBER(16,2)	$$	Daily Total cost of losses on transactions	+ = Due ISO		Cust Sttlmt – Transactions / BalMkt TUC Stlmnt/Daily/Stlmnt Results	-1* Day BalMkt TUC Loss Stlmnt ($)
756	R/T Congestion $	NUMBER(16,2)	$$	Daily Total cost of congestions on transactions	+ = Due ISO		Cust Sttlmt – Transactions / BalMkt TUC Stlmnt/Daily/Stlmnt Results	-1* Day BalMkt TUC Cong Stlmnt ($)
757	R/T TUC $	NUMBER(16,2)	$$	Daily Total TUC charges (Loss_cost + Cong_cost)	+ = Due ISO		Cust Sttlmt – Transactions / BalMkt TUC Stlmnt/Daily/Stlmnt Results	-1* Day Total BalMkt TUC Stlmnt ($)
776	Fin Impact Charge $	NUMBER(16,2)	$$	Daily Financial Impact Charge	+ = Due ISO		Cust Sttlmt – Transactions / Financial Impact Charge/Daily	-1* Day Fin Imp Ch Stlmnt: Trans ($) Note: This section of the Customer Statement file only contains Financial Impact Charges for Transaction Type = TUC.

III. Transmission Customers Data - Transaction LBMP Energy (Daily)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
100	Org name	VARCHAR2(50)	ID	Name of the Organization			Cust Sttlmt – Transactions Organization	TC Org Name
400	LSE name	VARCHAR2(50)	ID	Name of Load Serving Entity(for External Transaction this will be NULL) for the transaction sink			Cust Sttlmt – Transactions Load Serving Entity	TransCnt LSE Name
101	Start Day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust Sttlmt – Transactions Time/Day	Interval Start Day (Eastern) Note: Format is slightly different. DSS format is MM/DD/YYYY.
758	DAM LBMP Market MWHr	NUMBER(18,4)	MWh	Day ahead LBMP MWh amount	+ = Purchase from the ISO		Cust Sttlmt – Transactions DAM LBMP Energy Settlement/Daily/Other Related Info DAM Repl Energy Settlement/Daily/Other Related Info	-1* Day DAM LBMP Energy (MWh) + -1* Day DAM Repl Energy (MWh)
759	DAM LBMP Market Energy $	NUMBER(16,2)	$$	Day ahead energy component cost	+ = Due ISO		Cust Sttlmt – Transactions DAM LBMP Energy Settlement/Daily/Stlmnt Results DAM Repl Energy Settlement/Daily/Stlmnt Results	-1* Day DAM LBMP Energy Stlmnt ($) + -1* Day DAM Repl Energy Stlmnt ($)
760	DAM LBMP Market Loss $	NUMBER(16,2)	$$	Day ahead loss component cost	+ = Due ISO		Cust Sttlmt – Transactions DAM LBMP Energy Settlement/Daily/Stlmnt Results DAM Repl Energy Settlement/Daily/Stlmnt Results	-1* Day DAM LBMP Loss Stlmnt ($) + -1* Day DAM Repl Loss Stlmnt ($)
761	DAM LBMP Market Cong $	NUMBER(16,2)	$$	Day ahead cong component cost	+ = Due ISO		Cust Sttlmt – Transactions DAM LBMP Energy Settlement/Daily/Stlmnt Results	-1* Day DAM LBMP Cong Stlmnt ($) + -1* Day DAM Repl Cong Stlmnt ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
							DAM Repl Energy Settlement/Daily/Stlmnt Results	
762	DAM LBMP Market LBMP $	NUMBER(16,2)	$$	Total day ahead LBMP cost	+ = Due ISO		Cust Sttlmt – Transactions DAM LBMP Energy Settlement/Daily/Stlmnt Results DAM Repl Energy Settlement/Daily/Stlmnt Results	-1* Day DAM Total LBMP Stlmnt ($) + -1* Day Total DAM Repl Stlmnt ($)
763	R/T LBMP Market MWHr	NUMBER(18,4)	MWh	R/T LBMP MWh amount	+ = Purchase from the ISO		Cust Sttlmt – Transactions BalMkt LBMP Energy Settlement/Daily/Other Related Info BalMkt Repl Energy Settlement/Daily/Other Related Info	-1* Day BalMkt LBMP Energy (MWh) + -1* Day BalMkt Repl Energy (MWh)
764	R/T LBMP Market Energy $	NUMBER(16,2)	$$	R/T energy component cost	+ = Due ISO		Cust Sttlmt – Transactions BalMkt LBMP Energy Settlement/Daily/Stlmnt Results BalMkt Repl Energy Settlement/Daily/Stlmnt Results	-1* Day BalMkt LBMP Energy Stlmnt ($) + -1* Day BalMkt Repl Energy Stlmnt ($)
765	R/T LBMP Market Loss $	NUMBER(16,2)	$$	R/T loss component cost	+ = Due ISO		Cust Sttlmt – Transactions BalMkt LBMP Energy Settlement/Daily/Stlmnt Results BalMkt Repl Energy Settlement/Daily/Stlmnt Results	-1* Day BalMkt LBMP Loss Stlmnt ($) + -1* Day BalMkt Repl Loss Stlmnt ($)
766	R/T LBMP Market Cong $	NUMBER(16,2)	$$	R/T cong component cost	+ = Due ISO		Cust Sttlmt – Transactions BalMkt LBMP Energy Settlement/Daily/Stlmnt Results BalMkt Repl Energy Settlement/Daily/Stlmnt Results	-1* Day BalMkt LBMP Cong Stlmnt ($) + -1* Day BalMkt Repl Cong Stlmnt ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
767	R/T LBMP Market LBMP $	NUMBER(16,2)	$$	Total R/T LBMP cost	+ = Due ISO		Cust Sttlmt – Transactions BalMkt LBMP Energy Settlement/Daily/Stlmnt Results BalMkt Repl Energy Settlement/Daily/Stlmnt Results	-1* Day BalMkt Total LBMP Stlmnt ($) + -1* Day Total BalMkt Repl Stlmnt ($)
768	DAM Bid Cost Guarantee	NUMBER(16,2)	$$	Day ahead bid cost guarantee	+ = Due Transaction Owner		Cust Sttlmt – Transactions DAM BPCG Settlement/Settlements Results	Day DAM Trans BPCG ($)
769	R/T Bid Cost Guarantee	NUMBER(16,2)	$$	Real time bid cost guarantee	+ = Due Transaction Owner		Cust Sttlmt – Transactions Real Time BPCG Settlement/Settlements Results Imp ECA Suppl Guar Settlement/Daily	Day RT Trans BPCG ($) + Day Imp ECA Suppl Guar ($)
777	Fin Impact Charge $	NUMBER(16,2)	$$	Daily Financial Impact Charge	+ = Due ISO		Cust Sttlmt – Transactions Financial Impact Charge/Daily	-1* Day Fin Imp Ch Stlmnt: Trans ($) Note: This section of the Customer Statement file only contains Financial Impact Charges for Transaction Type = LBMP.

IV. Transmission Customers Data - Ancillary Service Charges (Daily)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
100	Org name	VARCHAR2(50)	ID	Name of the Organization			Cust Sttlmt – Loads: AncServ Organization Cust Sttlmt – Transactions: AncSer Transaction Customer Organization	Org Name TC Org Name

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
400	LSE name	VARCHAR2(50)	ID	Name of Load Serving Entity(for External Transaction this will be NULL)			Cust SttImt – Loads AncServ Load Serving Entities Cust SttImt – Transactions Load Serving Entity	LSE Name TransCnt LSE Name (Null for export and wheel-through transactions)
101	Start day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust SttImt – Loads: AncServ Time/Day Cust SttImt – Transactions: AncSer Time/Day	Interval Start Day (Eastern) Note: Format is slightly different. DSS format is MM/DD/YYYY. Interval Start Day (Eastern) Note: Format is slightly different. DSS format is MM/DD/YYYY.
800	Ancillary Service Billing MWHr	NUMBER(18,4)	MWh	Daily Ancillary Services Billing MWHr			Cust SttImt – Loads: AncServ Ancillary Services/OATT Sched 1 Annual Budget Charge Settlement/Daily	Day RT LSE Load (MWh)
801	External Export Transactions MWHr	NUMBER(18,4)	MWh	Daily External Export Transactions MWh			Cust SttImt – Transactions: AncSer Ancillary Services/ OATT Sched 1 Annual Budget Charge Settlement /Daily	Day RT Export Trans: TC (MWh)
802	External Wheel Thru Transactions MWHr	NUMBER(18,4)	MWh	Daily Hourly External Wheel Thru Transactions MWh			Cust SttImt – Transactions: AncSer Ancillary Services/ OATT Sched 1 Annual Budget Charge Settlement /Daily	Day RT Wheel-Thru Trans: TC (MWh)
803	NTAC Charge $	NUMBER(16,2)	$$	Daily NTAC charge	+ = Due ISO		Cust SttImt– Loads: AncServ Settlement Allocations/NTAC/Daily Cust SttImt – Transactions: AncSer Settlement Allocations/NTAC/Daily	-1* Day Total NTAC Stlmnt: LSE ($) -1* Day Total NTAC Stlmnt: TC ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
804	VSS Charge$	NUMBER(16,2)	$$	Daily voltage support charge	+ = Due ISO		Cust Sttlmt – Loads: AncServ Ancillary Services/OATT Schedule 2 – VSS/Daily Cust Sttlmt – Transactions: AncSer Ancillary Services/OATT Schedule 2 – VSS/Daily	-1* Day VSS Stlmnt: LSE ($ -1* Day VSS Stlmnt: TC ($)
806	Reserve Chg$	NUMBER(16,2)	$$	Daily Total operating reserve charge	+ = Due ISO		Cust Sttlmt – Loads: AncServ Ancillary Services/OATT Schedule 5 – OpReserves/Daily Cust Sttlmt – Transactions: AncSer Ancillary Services/OATT Schedule 5 – OpReserves/Daily	-1* Day Op Res Stlmnt: LSE ($) -1* Day Op Res Stlmnt: TC ($)
807	R&FR Charge $	NUMBER(16,2)	$$	Daily Total regulation charge	+ = Due ISO		Cust Sttlmt – Loads: AncServ/OATT Schedule 3 – Regulation/Daily	-1* Day Regulation Stlmnt: LSE ($) Note: This does not include Regulation Revenue Adjustment Settlement. That is reported in Billing Code 817
808	Black Start Charge $	NUMBER(16,2)	$$	Daily Total black start charge	+ = Due ISO		Cust Sttlmt – Loads: AncServ Ancillary Services/OATT Schedule 6 – Black Start/Daily	-1* Day Black Start Stlmnt: LSE ($)
809	S,SC&D OAT Charge $	NUMBER(16,2)	$$	Settlement for ISO annual budget charges net of any non-physical refund	+ = Due ISO		Cust Sttlmt – Loads: AncServ Ancillary Services/ OATT Sched 1 Annual Budget Charge Settlement/Daily Cust Sttlmt – Transactions: AncSer Ancillary Services/ OATT Sched 1 Annual	-1* Day OATT Sched 1 Net Annual Budget Charge WD Stlmnt: LSE ($) -1* Day OATT Sched 1 Net Annual Budget Charge WD Stlmnt: TC ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
							Budget Charge Settlement /Daily	
810	LRR Uplift Charge$	NUMBER(16,2)	$$	Daily Local Reliability Uplift charge	+ = Due ISO		Cust Sttlmt – Loads: AncServ Uplift Allocations/DAM BPCG LRR Uplift Allocations/RT BPCG LRR	 -1* Day DAM BPCG LRR Stlmnt: LSE ($) + -1* Day RT BPCG LRR Stlmnt: LSE ($)
811	LRR Black Start Charge $						N/A	N/A

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
812	NYISO-wide Uplift Charge $	NUMBER(16,2)	$$	Daily NYISO-wide Uplift charge from BPCG	+ = Due ISO		Cust Sttlmt – Loads: AncServ	
							Uplift Allocations/DAM BPCG	-1* Day DAM BPCG Stlmnt: LSE ($)
								+
							Uplift Allocations/RT BPCG	-1* Day RT BPCG Stlmnt: LSE ($)
								+
							Uplift Allocations/DAM Trans BPCG	-1* Day DAM Trans BPCG Stlmnt: LSE ($)
								+
							Uplift Allocations/RT Trans BPCG	-1* Day RT Trans BPCG Stlmnt: LSE ($)
								+
							Uplift Allocations/Imp ECA Supplier Guarantee/Daily	-1* Day Imp ECA Sup Gnt Stlmnt: LSE ($)
							Cust Sttlmt – Transactions: AncSer	
							Uplift Allocations/DAM BPCG	-1* Day DAM BPCG Stlmnt: TC ($)
								+
							Uplift Allocations/RT BPCG	-1* Day RT BPCG Stlmnt: TC ($)
								+
							Uplift Allocations/DAM Trans BPCG	-1* Day DAM Trans BPCG Stlmnt: TC ($)
								+
							Uplift Allocations/RT Trans BPCG	-1* Day RT Trans BPCG Stlmnt: TC ($)
								+
							Uplift Allocations/Imp ECA Supplier Guarantee/Daily	-1* Day Imp ECA Sup Gnt Stlmnt: TC ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
813	Residual Adjustment $	NUMBER(16,2)	$$	Daily NYISO-wide Uplift charge from settlement residuals	+ = Due ISO		Cust Sttlmt – Loads: AncServ	
							NYISO Residuals/DAM Energy Residuals*/Daily	-1* Day DAM Resid Engy Stlmnt: LSE ($)
							* Remaining Residual Settlement Results are located within the NYISO Residuals Class	+ -1* Day Bal Resid Engy Stlmnt: LSE ($)
								+ -1* Day DAM Resid Loss Stlmnt: LSE ($)
								+ -1* Day Bal Resid Loss Stlmnt: LSE ($)
								+ -1* Day Bal Resid Cong Stlmnt: LSE ($)
							Settlement Allocations/Emergency Purchases/Daily	+ -1* Day Emergency Purch Stlmnt: LSE ($)
							Settlement Allocations/Emergency Sales/Daily	+ -1* Day Emergency Sales Stlmnt: LSE ($)
							Uplift Allocations/DAM Margin Assurance/Daily	+ -1* Day DAM Mrgn Assrnc Stlmnt: LSE ($)
							Uplift Allocations/DAM Margin Assurance LRR	+ -1* Day DAM Mrgn Assrnc LRR Stlmnt: LSE ($)
							Uplift Allocations/ELR DAM Margin Assurance	+ -1* Day ELR DAM MargAsrc Stlmnt: LSE ($)
							Uplift Allocations/ELR DAM Margin Assurance LRR	
							Cust Sttlmt – Transactions: AncSer	
							NYISO Residuals/DAM Energy Residuals*/Daily	-1* Day DAM Resid Engy Stlmnt: TC ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
							* Remaining Residual Settlement Results are located within the NYISO Residuals Class	+ -1* Day Bal Resid Engy Stlmnt: TC ($) + -1* Day DAM Resid Loss Stlmnt: TC ($) + -1* Day Bal Resid Loss Stlmnt: TC ($) + -1* Day Bal Resid Cong Stlmnt: TC ($)
							Settlement Allocations/Emergency Purchases/Daily	+ -1* Day Emergency Purch Stlmnt: TC ($)
							Settlement Allocations/Emergency Sales/Daily	+ -1* Day Emergency Sales Stlmnt: TC ($)
							Uplift Allocations/DAM Margin Assurance/Daily	+ -1* Day DAM Mrgn Assrnc Stlmnt: TC ($)
							Uplift Allocations/ELR DAM Margin Assurance	+ -1* Day ELR DAM MargAsrc Stlmnt: TC ($)
814	Demand Response Program Uplift	NUMBER(16,2)	$$	DAM Price Responsive Load Program Uplift charge	+ = Due ISO		Cust Sttlmt – Loads: AncServ Settlement Allocations/DADRP	-1* Day DADRP Stlmnt ($)
815	Incremental Uplift	NUMBER(16,2)	$$	Incremental uplift due to under forecasting and bidding	+ = Due ISO		Cust Sttlmt – Loads: AncServ Uplift Allocations/DAM BPCG Frct	-1* Day DAM BPCG Forecast Stlmnt ($)
817	Regulation Rev Adj $	NUMBER(16,2)	$$	Daily Regulation Revenue Adjustment	+ = Due ISO		Cust Sttlmt – Loads: AncServ	-1* Day RRA Stlmnt: LSE ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
							Ancillary Services/OATT Schedule 3 – Regulation/Daily	
818	Sup Event Charge $	NUMBER(16,2)	$$	Daily Supplemental Event Charge	+ = Due ISO		Cust Sttlmt – Loads: AncServ Uplift Allocations/Supplemental Event Charge	-1* Day Supp Event Stlmnt: LSE ($)
							Cust Sttlmt – Transactions: AncSer Uplift Allocations/Supplemental Event Charge	-1* Day Supp Event Stlmnt: TC ($)
819	Fin Impact Credit $	NUMBER(16,2)	$$	Daily Financial Impact Credit	+ = Due Transmission Customer		Cust Sttlmt – Loads: AncServ Settlement Allocations/Financial Impact Credit/Daily	Day Fin Imp Cred Stlmnt: LSE ($)
							Cust Sttlmt – Transactions: AncSer Settlement Allocations/Financial Impact Credit/Daily	Day Fin Imp Cred Stlmnt: TC ($)
824	External LBMP Import Transactions MWHr	NUMBER(17,4)	MWh	Scheduled LBMP Export Transactions MWHr			Cust Sttlmt – Transactions: AncSer Ancillary Services	Day RT LBMP Export Trans: TC (MW)
825	External Import Transactions MWHr	NUMBER(17,4)	MWh	Schedule Import Transactions MWHr (LBMP and point-to-point transactions)			Cust Sttlmt – Transactions: AncSer Ancillary Services/ OATT Schedule 1 Annual Budget Charge Settlement /Daily	Day RT Import Trans: TC (MW)
827	S SC&D OAT WD Rate	NUMBER(15,2)	$/MWh	ISO OAT schedule 1 rate on withdrawals			Cust Sttlmt – Loads: AncServ Ancillary Services/ OATT Schedule 1 Annual Budget Charge Settlement /Hourly/Intermediate Calculations	Hr OATT Sched 1 Annual Budget Rate: WD ($/MWh)
							Cust Sttlmt – Transactions: AncSer	Hr OATT Sched 1 Annual Budget Rate: WD ($/MWh)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
							Ancillary Services/ OATT Schedule 1 Annual Budget Charge Settlement /Hourly/Intermediate Calculations	
321	S SC&D OAT Inject Rate	NUMBER(15,2)	$/MWh	Rate at which energy injections are charged for ISO annual budget costs			Cust Sttlmt – Transactions: AncSer Ancillary Services OATT Schedule 1 Annual Budget Charge Settlement /Hourly/Intermediate Calculations	Hr OATT Sched 1 Annual Budget Rate: Inj ($/MWh)
829	S SC&D OAT Inject Charge $	NUMBER(15,2)	$$	Settlement for ISO annual budget charges net of any non-physical refund for the transaction customer, assessed on energy injections	+ = Due ISO		Cust Sttlmt – Transactions: AncSer Ancillary Services/ OATT Schedule 1 Annual Budget Charge Settlement /Daily	Day OATT Sched 1 Net Annual Budget Charge Inj Stlmnt: TC ($)
836	Ramapo PAR Charge $	NUMBER(15,2)	$$	Daily Ramapo Phase Angle Regulator Charge	+ = Due ISO		Cust Sttlmt – Loads: AncServ Ancillary Services/OATT Service Payments/Daily/Stlmnt Results	Day Ramapo PAR Stlmnt: LSE ($)
							Cust Sttlmt – Transactions: AncSer Ancillary Services/OATT Service Payments/Daily/Stlmnt Results	-1* Day Ramapo PAR Stlmnt: TC ($)
837	Station 80 Charge $	NUMBER(15,2)	$$	Daily Station 80 Capacitor Bank Charge	+ = Due ISO		Cust Sttlmt – Loads: AncServ Ancillary Services/OATT Service Payments/Daily/Stlmnt Results	-1* Day Station 80 Stlmnt: LSE ($)
							Cust Sttlmt – Transactions: AncSer Ancillary Services/OATT Service Payments/Daily/Stlmnt Results	-1* Day Station 80 Stlmnt: TC ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
838	Local Black Start/Rest Charge $	NUMBER(15,2)	$$	Daily Local Black Start and Restoration Services Charge	+ = Due ISO		Cust Sttlmt – Loads: AncServ Ancillary Services/OATT Schedule 6 - Black Start/Daily	-1* Day Local Black Start Stlmnt: LSE ($) + -1* Day LBS Test Stlmnt: LSE ($)
839	Margin Restoration (MOB) Charge $	NUMBER(15,2)	$$	Daily Margin Restoration (Min Oil Burn) Charge	+ = Due ISO		Cust Sttlmt – Loads: AncServ Uplift Allocations/Margin Restoration (MOB)/Daily	-1* Day Marg Restor MOB Stlmnt: LSE ($)
840	EDRP/SCR Demand Response Charge $ (Local)	NUMBER(15,2)	$$	Local allocation of EDRP and SCR program charges	+ = Due ISO		Cust Sttlmt – Loads: AncServ Settlement Allocations/EDRP/Daily Settlement Allocations/SCR/Daily Uplift Allocations/SCR BCG/Daily	-1*Day EDRP Local Stlmnt: LSE ($) + -1*Day SCR Local Stlmnt: LSE ($) + -1*Day SCR BCG Local Stlmnt: LSE ($)
841	EDRP/SCR Demand Response Charge $ (NYISO-wide)	NUMBER(15,2)	$$	NYISO-Wide allocation of EDRP and SCR program charge	+ = Due ISO		Cust Sttlmt – Loads: AncServ Settlement Allocations/EDRP/ Daily Settlement Allocations/SCR/Daily Uplift Allocations/ SCR BCG /Daily	-1*Day EDRP NYISO-Wide Stlmnt: LSE ($) + -1*Day SCR NYISO-Wide Stlmnt: LSE ($) + -1*Day SCR BCG NYISO-Wide Stlmnt: LSE ($)
4004	Regulated Transmission Projects Charge $	NUMBER(15,2)	$$	Transmission project charge	+ = Due ISO		Cust Sttlmt – Loads AncServ Regulated Transmission	-1*Day Reg Trans Project Stlmnt: LSE ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
							Projects/Daily/Settlement Results	
842	FERC Fees OAT WD Charge $	NUMBER(15,2)	$$	Settlement for FERC fees assessed on energy withdrawals	+ = Due ISO		Cust Sttlmt – Loads: AncServ Ancillary Services/OATT Schedule 1 FERC Fees Settlement Cust Sttlmt – Transactions: AncSer Ancillary Services/OATT Schedule 1 FERC Fees Settlement	-1* Day OATT Sched 1 FERC Fees WD Stlmnt: LSE ($) + -1* Day OATT Sched 1 FERC Fees WD Stlmnt: TC ($)
843	FERC Fees OAT Inject Charge $	NUMBER(15,2)	$$	Settlement for FERC fees assessed on energy injections	+ = Due ISO		Transactions: AncSer Ancillary Services/OATT Schedule 1 FERC Fees Settlement	-1* Day OATT Sched 1 FERC Fees Inj Stlmnt: TC ($)
846	Fee Exempt Import MWHr	NUMBER(17,4)	MWh	Import transaction schedule MWh which are exempt from fees in conjunction with Coordinated Transaction Scheduling (CTS)			Transactions: AncSer Ancillary Services/OATT Schedule 1 FERC Fees Settlement	Day Fee Exempt Import (MWh)
847	Fee Exempt Export MWHr	NUMBER(17,4)	MWh	Export transaction schedule MWh which are exempt from fees in conjunction with Coordinated Transaction Scheduling (CTS)			Transactions: AncSer Ancillary Services/OATT Schedule 1 FERC Fees Settlement	Day Fee Exempt Export (MWh)
848	RMR Avoidable Cost Allocation $	NUMBER(15,2)	$$	LSE avoidable cost allocation for Reliability Must Run for the given day	+ = Due ISO		Cust Sttlmt – Loads AncServ Reliability Must Run/Daily/Settlement Results	Day RMR Avoidable Cost Allocation Stlmnt: LSE ($)
849	RMR Variable Cost Allocation $	NUMBER(15,2)	$$	LSE variable cost allocation for Reliability Must Run for the given day	+ = Due ISO		Cust Sttlmt – Loads AncServ Reliability Must Run/Daily/Settlement Results	Day RMR Variable Cost Allocation Stlmnt: LSE ($)
851	DER Demand Reduction Charge $	NUMBER(15,2)	$$	DER Demand reduction settlement allocated to a given LSE for the hour	+ = Due ISO		Cust Sttlmt – Loads: AncServ Settlement Allocations/Daily	Day DER Demand Reduction Stlmnt: LSE ($)

V. Transmission Congestion Contract Holders Data (Daily)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
100	Org name	VARCHAR2(50)	ID	Organization Name			Cust Sttlmt – TCC / Organization	Org Name
900	TCC Contract ID	NUMBER (13,0)	#ID	Transmission Congestion Contract ID			Cust Sttlmt – TCC / Trans Cong Contract	TCC ID
101	Start day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust Sttlmt – TCC / Time/Day	Interval Start Day (Eastern) Note: Format is slightly different. DSS format is MM/DD/YYYY.
903	Tcc credit	NUMBER(16,2)	$$	Daily Transmission Congestion Contract payment value	+ = Due TCC Holder		Cust Sttlmt – TCC / TCC Rent Settlement/Daily/Stlmnt Results	Day TCC Rent Stlmnt ($)
904	Annual Budget OAT TCC Charge $	NUMBER(17,4)	$$	Settlement for ISO annual budget charges for transaction congestion contracts for the given day	+ = Due ISO		Cust Sttlmt – TCC / OATT Schedule 1/TCC OATT Schedule 1 Annual Budget Charge Settlement	-1* Day TCC OATT Sched 1 Annual Budget Charge Stlmnt ($)
905	FERC Fees OAT TCC Charge $	NUMBER(17,4)	$$	FERC fees for transaction congestion contracts	+ = Due ISO		Cust Sttlmt – TCC / OATT Schedule 1/TCC OATT Schedule 1 FERC Fees Settlement	-1* Day TCC OATT Sched 1 FERC Fees Stlmnt ($)
906	Annual Budget OAT TCC Rate	NUMBER(17,4)	$$	Rate at which transaction congestion contracts are charged for ISO annual budget costs			Cust Sttlmt – TCC / OATT Schedule 1/TCC OATT Schedule 1 Annual Budget Charge Settlement	Day TCC OATT Sched 1 Annual Budget Rate ($/HR/MW Settled Capacity)

VI. Transmission Owners NTAC and DAM Congestion Balancing [only in TOs' advisory statements] (Daily)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
100	Org name	VARCHAR2(50)	ID	Organization Name			Cust Sttlmt – Transmission Owners / Organization	Org Name
1000	TP_name	VARCHAR2(50)	ID	Transmission Owner Name			Cust Sttlmt – Transmission Owners	Transmission Provider Name

							Transmission Provider	
101	Start day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust Sttlmt – Transmission Owners Time/Day	Interval Start Day (Eastern) Note: Format is slightly different. DSS format is MM/DD/YYYY.
Code	**Column Header**	**Data Type**	**Element Type**	**Description**	**Payment Made To/From**		**Primary DSS Universe** **DSS Class**	**DSS Object Name**
1012	NTAC_Credit	NUMBER(16,2)	$$	NTAC credit (applies only to NYPA)	+ = Due TO		Cust Sttlmt – Transmission Owners NTAC	Day NTAC (NYPA) ($)
1013	IMWM Coefficient	NUMBER(18,4)	#	MW-mile coefficient			Cust Sttlmt – Transmission Owners DAM Excess Cong Residuals/Daily/Billing Determinants	Interface MW-Mile Coefficient
1014	Excess cong credit $	NUMBER(16,2)	$$	DAM congestion balancing	+ = Due TO		Cust Sttlmt – Transmission Owners DAM Excess Cong Residuals/Daily/Stlmnt Results	Day DAM Resid Cong Stlmnt: TO ($)

VII. Demand Reduction Programs (Daily)

Code	**Column Header**	**Data Type**	**Element Type**	**Description**	**Payment Made To/From**		**Primary DSS Universe** **DSS Class**	**DSS Object Name**
100	Org name	VARCHAR2(80)	ID	Transmission Owner Name			Cust Sttlmt – Demand Response Organizations	Org Name
2000	Demand Reduction Provider Name	VARCHAR2(80)	ID	Unique transaction Identifier			Cust Sttlmt – Demand Response Demand Response Bus	DRBus Name
2001	Demand Reduction Provider PTID	NUMBER	ID #				Cust Sttlmt – Demand Response Demand Response Bus	DRBus PTID
101	Start day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust Sttlmt – Demand Response Time/Day	Interval Start Day (Eastern) Note: Format is slightly different. DSS format is MM/DD/YYYY.
2010	Demand Reduction MWHr	NUMBER(18,4)	ID	Demand Reduction MWh			Cust Sttlmt – Demand Response DADRP Incentive Settlement/Daily/Other Related Info	Day DADRP Metered Reduction (MWh)
2011	Demand Response Incentive $	NUMBER(16,2)	$$	Daily program incentive payment	+ = Due DRP		Cust Sttlmt – Demand Response	Day DADRP Incentive ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
							DADRP Incentive Settlement/Daily/Stlmnt Results	
2012	Demand Response Reduction $	NUMBER(16,2)	$$	Daily payment for reduction	+ = Due LSE		Cust Sttlmt – Demand Response DADRP Reduction Settlement/Daily/Stlmnt Results	Day DADRP Reduction ($)
2013	Demand Response Penalty $	NUMBER(16,2)	$$	Penalty charge for non-performance	- = Due ISO		Cust Sttlmt – Demand Response DADRP LSE Penalty Settlement/Daily/Stlmnt Results DADRP DRP Penalty Settlement/Daily/Stlmnt Results	Day DADRP Penalty: LSE ($) And Day DADRP Penalty: DRP ($)
2014	Demand Reduction Load Balancing $	NUMBER(16,2)	$$	Balancing charge for LSE load reduction	- = Due ISO		Cust Sttlmt – Demand Response DADRP Load Balance/Daily/Stlmnt Results	Day DADRP Load Balance ($)
2015	Load Reduction Bid Guarantee $	NUMBER(16,2)	$$	Bid cost guarantee	+ = Due DRP		Cust Sttlmt – Demand Response DADRP BCG Settlement/Settlement Results	Day DADRP BCG Stlmnt ($)
2035	Sched 1 MWhr	NUMBER(20,4)	MWh	Hourly DADRP Schedule1 Injection MWh			Cust Sttlmt – Demand Response ISO Services Charges /MST Schedule 1/ Daily	Day DADRP Sched 1 Inject (MW)
321	S SC&D OAT Inject Rate	NUMBER(5,4)	$$	Rate at which energy injections are charged for ISO annual budget costs			Cust Sttlmt – Demand Response ISO Services Charges/ DADRP OATT Schedule 1/Hourly	Hr OATT Sched 1 Annual Budget Rate: Inj ($/MWh)
2037	S SC&D OAT Inject Charge $	NUMBER(19,6)	$$	ISO OAT schedule 1 charge on Demand Response injections	+ = Due ISO		Cust Sttlmt – Demand Response ISO Services Charges/ DADRP OATT Schedule 1/Daily	-1* Day OATT Sched 1 Net Annual Budget Charge Inj Stlmnt: DRB ($)
2025	EDRP Demand Response Reduction MWHr	NUMBER(19,6)	MWh	Is a number representing the total amount of EDRP Demand Response reduction for the given day			Cust Sttlmt – Demand Response EDRP Reduction Settlement/Daily/Other Related Info	Day EDRP Reduction (MW)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
2026	EDRP Demand Response Credit $	NUMBER(19,6)	$$	Is a number representing the total amount of EDRP Demand Response credits for the given day	+ = Due Customer		Cust Sttlmt – Demand Response / EDRP Reduction Settlement/Daily/Stlmnt Results	Day EDRP Stlmnt ($)
2027	SCR Demand Response Reduction MWHr	NUMBER(19,6)	MWh	Is a number representing the total amount of SCR Demand Response reduction for the given day			Cust Sttlmt – Demand Response / SCR Reduction Settlement/Daily/Other Related Info	Day SCR Reduction (MW)
2028	SCR Demand Response Credit $	NUMBER(19,6)	$$	Is a number representing the total amount of SCR Demand Response credits for the given day	+ = Due Customer		Cust Sttlmt – Demand Response / SCR Reduction Settlement/Daily/ Stlmnt Results	Day SCR Stlmnt ($)
2029	SCR Demand Response Bid Cost Guarantee $	NUMBER(19,6)	$$	Is a number representing the total amount of SCR BCG payments for the given day	+ = Due Customer		Cust Sttlmt – Demand Response / SCR BPCG Settlement/Daily	Day SCR Bid Cost Guarantee ($)
2040	Annual Budget OAT SCR/ EDRP Charge $	NUMBER(19,6)	$$	Settlement for ISO annual budget charges for the EDRP/SCR resource	+ = Due ISO		Cust Sttlmt – Demand Response / ISO Service Charges/EDRP/SCR OATT Schedule 1	-1* Day EDRP/SCR OATT Sched 1 Annual Budget Charge Stlmnt ($)
2041	Annual Budget OAT SCR/ EDRP Rate	NUMBER(19,6)	$$	Rate at which EDRP/SCR resources are charged for ISO annual budget costs			Cust Sttlmt – Demand Response / ISO Service Charges/EDRP/SCR OATT Schedule 1/ Hourly/Intermediate Calculations	Hr EDRP/SCR OATT Sched 1 Annual Budget Rate ($/MWh)
2044	FERC Fees OAT Inject Charge $	NUMBER(19,6)	$$	Settlement for FERC fees for the demand response bus	+ = Due ISO		Cust Sttlmt – Demand Response / ISO Service Charges/DADRP OATT Schedule 1/ DADRP OATT Schedule 1 FERC Fees Settlement	-1* Day OATT Sched 1 FERC Fees Inj Stlmnt: DRB ($)

VIII. Virtual Bidding (Daily)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
100	Org name	VARCHAR2(50)	ID	Name of the Organization			Cust Sttlmt – Virtual Market Organization	Org Name
400	LSE name	VARCHAR2(50)	ID	Name of Load Serving Entity			Cust Sttlmt – Virtual Market Virtual Bid Entity	Virtual Bid Entity ID
3000	Virtual Bus name	VARCHAR2(50)	ID	Name of Virtual Load or Supply Bus			Cust Sttlmt – Virtual Market Virtual Supply Market/Virtual Supply Bus Or Cust Sttlmt – Virtual Market Virtual Load Market/Virtual Load Bus	VS Bus Name Or VL Bus Name
3001	Virtual Bus PTID	NUMBER(5)	ID	NYISO assigned point identifier			Cust Sttlmt – Virtual Market Virtual Supply Market/Virtual Supply Bus Or Cust Sttlmt – Virtual Market Virtual Load Market/Virtual Load Bus	VS Bus PTID Or VL Bus PTID
101	Start day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust Sttlmt – Virtual Market Time/Day	Interval Start Day (Eastern) Note: Format is slightly different. DSS format is MM/DD/YYYY.
770	Virtual Load MWh	NUMBER(18,4)	MWh	Virtual load bid scheduled day-ahead	+ = MWh purchased		Cust Sttlmt – Virtual Market Virtual Load Market/DAM Vload Settlement/Daily/Other Related Info	Day DAM VLoad Energy (MW)
771	DAM Virtual Load $	NUMBER(16,2)	$$	Day-head Virtual Load settlement	+ = Due ISO		Cust Sttlmt – Virtual Market	-1* Day Total DAM VLoad Stlmnt ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
							Virtual Load Market/DAM Vload Settlement/Daily/Stlmnt Results	
772	Virtual Supplier MWh	NUMBER(18,4)	MWh	Virtual supply bid scheduled day-ahead	+ = MWh Sold		Cust Sttlmt – Virtual Market / Virtual Supply Market/DAM VSupply Settlement/Daily/Other Related Info	-1* Day DAM VSupply Energy (MW)
773	DAM Virtual Supplier $	NUMBER(16,2)	$$	Day-head Virtual Supply settlement	+ = Due customer		Cust Sttlmt – Virtual Market / Virtual Supply Market/DAM VSupply Settlement/Daily/Stlmnt Results	Day Total DAM VSupply Stlmnt ($)
774	Balancing Virtual Load $	NUMBER(16,2)	$$	Balancing Virtual Load settlement	- = Due customer		Cust Sttlmt – Virtual Market / Virtual Load Market/BalMkt Vload Settlement/Daily/Stlmnt Results	-1* Day Total BalMkt VLoad Stlmnt ($)
775	Balancing Virtual Supplier $	NUMBER(16,2)	$$	Balancing Virtual Supply settlement	- = Due NYISO		Cust Sttlmt – Virtual Market / Virtual Supply Market/BalMkt VSupply Settlement/Daily/Stlmnt Results	Day Total BalMkt VSupply Stlmnt ($)
778	Annual Budget OAT Virtuals Charge $	NUMBER(16,2)	$$	Settlement for ISO annual budget charges for the virtual supply and virtual load	+ = Due ISO		Cust Sttlmt – Virtual Market / Virtual Supply Market/ Virtual Supply OATT Schedule 1 Cust Sttlmt – Virtual Market / Virtual Load Market/ Virtual Load OATT Schedule 1	-1* Day VSupply OATT Sched 1 Annual Budget Charge Stlmnt ($) + -1* Day VLoad OATT Sched 1 Annual Budget Charge Stlmnt ($)
779	FERC Fees OAT Virtuals Charge $	NUMBER(16,2)	$$	Settlement for FERC fee charges for the virtual supply and virtual load	+ = Due ISO		Cust Sttlmt – Virtual Market / Virtual Supply Market/ Virtual Supply OATT Schedule 1	-1* Day VSupply OATT Sched 1 FERC Fees Stlmnt ($) +

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
							Cust Sttlmt – Virtual Market / Virtual Load Market/ Virtual Load OATT Schedule 1	-1* Day VLoad OATT Sched 1 FERC Fees Stlmnt ($)
790	Annual Budget OAT Virtuals Rate	NUMBER(19,6)	$$	Rate at which virtual transactions are charged for ISO annual budget costs			Cust Sttlmt – Virtual Market / Virtual Supply Market/ Virtual Supply OATT Schedule 1	Hr VSupply OATT Sched 1 Annual Budget Rate ($/MWh)

VIII. Transmission Owner Data- Service Payments [only in TO advisory statements] (Daily)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
1000	TP name	VARCHAR2(50)	ID	Transmission Owner Name			Cust Sttlmt - Transmission Owners / Transmission Provider	Transmission Provider Name
101	Start day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust Sttlmt - Transmission Owners / Time/Day	Interval Start Day (Eastern) Note: Format is slightly different. DSS format is MM/DD/YYYY.
1015	Ramapo PAR Credit $	NUMBER(15,2)	$$	Ramapo Phase Angle Regulator Payment	+ = Due TO		Cust Sttlmt - Transmission Owners / Service Payments/Daily	Day Ramapo PAR Stlmnt: TO ($)
1016	Station 80 Credit $	NUMBER(15,2)	$$	Station 80 Capacitor Bank Payment	+ = Due TO		Cust Sttlmt - Transmission Owners / Service Payments/Daily	Day Station 80 Stlmnt: TO ($)
4006	Regulated Transmission Projects Credit $	NUMBER(15,2)	$$	Transmission project credit	+ = Due TO		Cust Sttlmt- Transmission Owners / Regulated Transmission Projects/Daily/Settlement Results	Day Reg Trans Project Recovery ($)

IX. Transmission Customers Data - Trading Hub LBMP Transactions - (Daily)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe / DSS Class	DSS Object Name
100	Org name	VARCHAR2(50)	ID	Name of the Organization			Cust Sttlmt – Transactions / Source, Sink	Src Org Name, Sink Org Name

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
101	Start day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust Sttlmt – Transactions DAM Trading Hub LBMP Energy Settlement/Daily, RT Trading Hub LBMP Energy Settlement/Daily	Interval Start Day (Eastern) Note: Format is slightly different. DSS format is MM/DD/YYYY.
780	DAM Trading Hub Energy $	NUMBER(16,2)	$$	Day-ahead daily energy component of Trading Hub LBMP energy settlement	+ = Due Trading Hub Energy Owner		Cust Sttlmt – Transactions DAM Trading Hub LBMP Energy Settlement/Daily/Stlmnt Results	Day DAM Trading Hub LBMP Energy Stlmnt – Sink ($) + Day DAM Trading Hub LBMP Energy Stlmnt – Src ($)
781	DAM Trading Hub Loss $	NUMBER(16,2)	$$	Day-ahead daily loss component of Trading Hub LBMP energy settlement	+ = Due Trading Hub Energy Owner		Cust Sttlmt – Transactions DAM Trading Hub LBMP Energy Settlement/Daily/Stlmnt Results	Day DAM Trading Hub LBMP Loss Stlmnt – Sink ($) + Day DAM Trading Hub LBMP Loss Stlmnt – Src ($)
782	DAM Trading Hub Cong $	NUMBER(16,2)	$$	Day-ahead daily congestion component of Trading Hub LBMP energy settlement	+ = Due Trading Hub Energy Owner		Cust Sttlmt – Transactions DAM Trading Hub LBMP Energy Settlement/Daily/Stlmnt Results	Day DAM Trading Hub LBMP Cong Stlmnt – Sink ($) + Day DAM Trading Hub LBMP Cong Stlmnt – Src ($)
783	DAM Trading Hub LBMP $	NUMBER(16,2)	$$	Day-ahead daily total Trading Hub LBMP energy settlement	+ = Due Trading Hub Energy Owner		Cust Sttlmt – Transactions DAM Trading Hub LBMP Energy Settlement/Daily/Stlmnt Results	Day DAM Trading Hub Total LBMP Stlmnt – Sink ($) + Day DAM Trading Hub Total LBMP Stlmnt – Src ($)
784	R/T Trading Hub Energy $	NUMBER(16,2)	$$	Real-time daily energy component of Trading Hub LBMP energy settlement	+ = Due Trading Hub Energy Owner		Cust Sttlmt – Transactions RT Trading Hub LBMP Energy Settlement/Daily/Stlmnt Results	Day RT Trading Hub LBMP Energy Stlmnt – Sink ($) + Day RT Trading Hub LBMP Energy Stlmnt – Src ($)
785	R/T Trading Hub Loss $	NUMBER(16,2)	$$	Real-time daily loss component of Trading Hub LBMP energy settlement	+ = Due Trading Hub Energy Owner		Cust Sttlmt – Transactions RT Trading Hub LBMP Energy Settlement/Daily/Stlmnt Results	Day RT Trading Hub LBMP Loss Stlmnt – Sink ($) + Day RT Trading Hub LBMP Loss Stlmnt – Src ($)
786	R/T Trading Hub Cong $	NUMBER(16,2)	$$	Real-time daily congestion component of Trading Hub LBMP energy settlement	+ = Due Trading Hub		Cust Sttlmt – Transactions	Day RT Trading Hub LBMP Cong Stlmnt – Sink ($) +

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
					Energy Owner		RT Trading Hub LBMP Energy Settlement/Daily/Stlmnt Results	Day RT Trading Hub LBMP Cong Stlmnt – Src ($)
787	R/T Trading Hub LBMP $	NUMBER(16,2)	$$	Real-time daily total Trading Hub LBMP energy settlement	+ = Due Trading Hub Energy Owner		Cust Sttlmt – Transactions RT Trading Hub LBMP Energy Settlement/Daily/Stlmnt Results	Day RT Trading Hub Total LBMP Stlmnt – Sink ($) + Day RT Trading Hub Total LBMP Stlmnt – Src ($)

X. LSE Storage Withdrawals – (Daily)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
100	LSE Org Name	VARCHAR2(50)	ID	Name of LSE's Organization			Cust Sttlmt – LSE Storage Withdrawals Organization	Organization Name
400	LSE Name	VARCHAR2(50)	ID	Name of LSE			Cust Sttlmt – LSE Storage Withdrawals Load Serving Entities	LSE Name
110	Gen Org Name	VARCHAR2(50)	ID	Name of the Generator's Organization			Cust Sttlmt – LSE Storage Withdrawals LSE Storgae Withdrawals Settlement/Generator	Gen Org Name
200	Gen Name	VARCHAR2(50)	ID	Name of the Generator			Cust Sttlmt – LSE Storage Withdrawals LSE Storgae Withdrawals Settlement/Generator	Gen Name
201	Gen PTID	NUMBER(5)	ID	NYISO assigned Generator identifie			Cust Sttlmt – LSE Storage Withdrawals LSE Storgae Withdrawals Settlement/Generator	Gen PTID
101	Start Day	DATE Format: MON/DD/YYYY	Date	Start Date			Cust Sttlmt – LSE Storage Withdrawals Time/Day	Interval Start Day (Eastern)
850	Retail Withdrawals Charge $	NUMBER(15,2)	$$	Rebated dollar amount being charged to the responsible LSE	+ = Due ISO		Cust Sttlmt – LSE Storage Withdrawals LSE Storage Withdrawal Settlements/Daily/Stlmnt Results	Day RT Charge for Retail Withdrawals by Gens Stlmnt: LSE ($)

Code	Column Header	Data Type	Element Type	Description	Payment Made To/From		Primary DSS Universe DSS Class	DSS Object Name
852	Retail Withdrawals MWh	NUMBER(17,4)	MWh	Storage Withdrawal MWh eligible for retail withdrawal			Cust Sttlmt – LSE Storage Withdrawals LSE Storage Withdrawal Settlements/Daily/Other Related info	Day Retail Withdrawals (MWh)