

B210 Detailed Market Participant Impacts

Reference BAWG Presentation:

Consolidated Invoice Redesign Project Update

Dated ~~May 18, 2011~~ June 17, 2011

CUSTOMER SETTLEMENTS INTERFACE



FIGURE 1 - CSI MAIN MENU

1. **New** Customer Settlements Interface will include all Invoice, Daily Reconciliation, Metering Reconciliation, Global Rates and TSC/NTAC Rates previously accessed via Marketplace
- ~~1.2.~~ **New** Customer Settlements Interface will provide a clear distinction between 'Bidding and Scheduling' and 'Finance and Settlement' data applications
- ~~1.3.~~ Removes dependencies between Finance and non-Finance code deployments and outages
- ~~1.4.~~ Provides MPs with a new look and feel
- ~~1.5.~~ Marketplace login and Customer Settlements Interface login use **same** login and password; however each must be logged on separately
- ~~1.6.~~ The following applications/links that currently exist in Marketplace will be moved to the Customer Settlements Interface:
 - a. Consolidated Invoice
 - i. Invoice Summary (Screen details in following sections)
 - ~~ii.~~ Invoice Detail (Screen details in following sections)
 - iii. Working Capital (Screen details in following sections)
 - b. Daily Reconciliation (Screen details in following sections)

c. Metering Reconciliation*

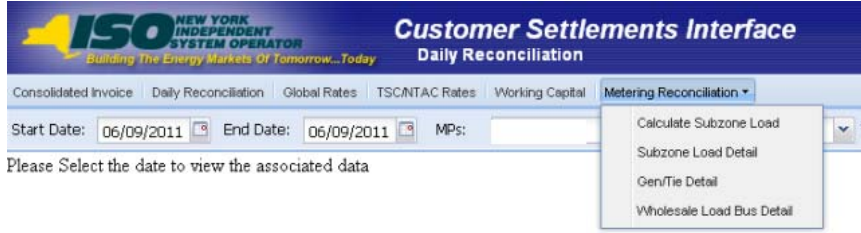


FIGURE 2 - CSI METERING RECONCILIATION: MAIN MENU

i. Calculated Subzone Load

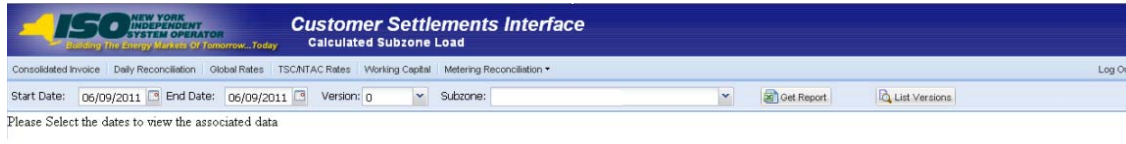


FIGURE 3 - CSI METERING RECONCILIATION: CALCULATED SUBZONE LOAD

ii. Subzone Load Detail



FIGURE 4 - CSI METERING RECONCILIATION: SUBZONE LOAD DETAIL

iii. Gen/Tie Detail

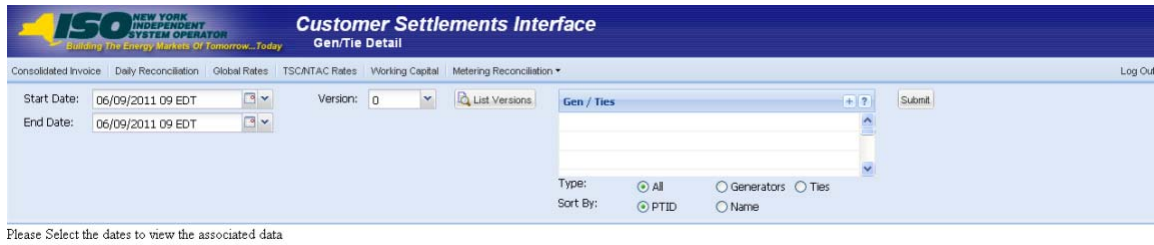


FIGURE 5 - CSI METERING RECONCILIATION: GEN/TIE DETAIL

iv. Wholesale Load Bus Detail

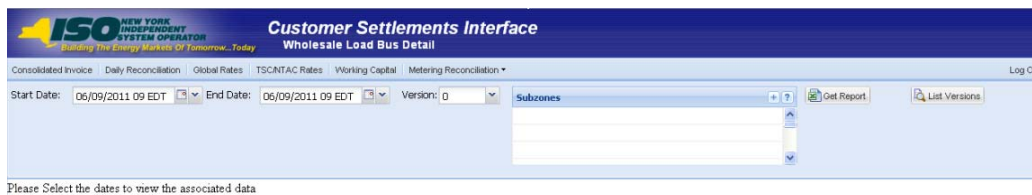
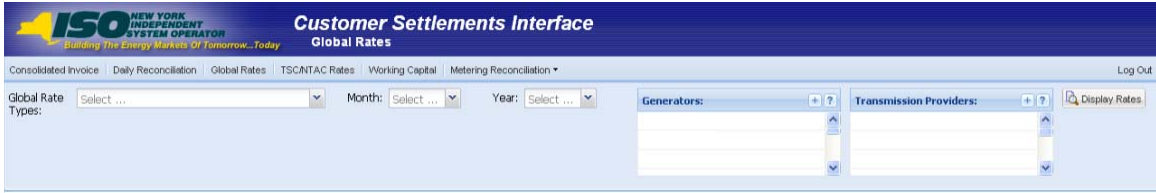


FIGURE 6 - CSI METERING RECONCILIATION: WHOLESALE LOAD BUS DETAIL

d. Global Rates*



Please Select the dates to view the associated data

FIGURE 7 - CSI GLOBAL RATES: MAIN PAGE

e. TSC/NTAC Rates*



Please Select the Organisation name and Calendar Month to view associated data

FIGURE 8 - CSI TSC/NTAC RATES: MAIN PAGE

*Applications listed above will not change, unless otherwise noted

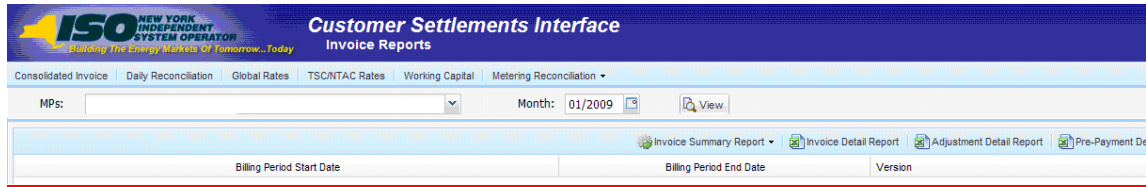
INVOICE SUMMARY REPORTS – QUERY SCREEN

FIGURE 9 - CSI CONSOLIDATED INVOICE: QUERY SCREEN

1. Updated query screen will request user input of calendar month and MP name
2. Updated query response will include a listing of all Invoices (including their associated Billing Periods) issued during that calendar month

For example, if the calendar month of November 2011 was requested, the response would include the Invoice dates of:

- November 2, 2011 (Billing Period of 10/22/2011 – 10/28/2011)
- November 7, 2011 (Monthly Billing Periods of 10/2011, 6/2011, 2/2011)
- November 9, 2011 (Billing Period of 11/1/2011 - 11/4/2011)
- November 16, 2011 (Billing Period of 11/5/2011- 11/11/2011)
- November 23, 2011 (Billing Period of 11/12/2011 – 11/18/2011)
- November 30, 2011 (Billing Period of 11/19/2011 – 11/25/2011)

3. User must select an Invoice and then may select the Invoice Summary Report, Invoice Detail Report, Adjustment Detail Report or the Prepayment Detail Report

1. User may request Invoice Summary Report format of PDF or XLS

INVOICE SUMMARY – REPORT

1. User may request Invoice Summary Report format of PDF or XLS

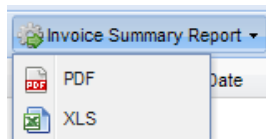


FIGURE 10 - CSI CONSOLIDATED INVOICE: INVOICE SUMMARY OUTPUT SELECTION

NYISO Market Participant Invoice Dated				
Market Participant Name:	Initial Settlement Version 1	4 Month Settlement Version 2	6 Month Settlement Version 3	Total
<div style="border: 1px solid black; padding: 5px; float: right; margin-bottom: 10px;"> Invoice Number: N/A FBC Posting Date: 02/06/2009 Invoice Issued: 02/20/2009 Payments Due To The NYISO On: 02/20/2009 Total Charge to Market Participant: </div>				
Monthly Payments/(Charges)				
Power Supplier				
Transmission Customer				
Transmission Congestion Contract Holder				
Transmission Owner				
Demand Response Customer				
Virtual Bidding Customer				
Settlement Subtotal				
Previous Version Settlement Subtotal				
Total Current Settlement Subtotal				
Adjustments				
Interest Payment to (Charge to) Market Participant				
Current Invoice Payment to (Charge to) Market Participant				
Prepayments				
Net Payment to (Charge to) Market Participant				
			Working Capital Cash Transactions	
			ICAP Payment to Market Participant	
Instructions for making electronic payments to New York Independent System Operator, Inc.				
			Invoice Total	
			Overpayment*	
			Past Due Balance*	
*The amounts of the Overpayment and Past Due Balances may not reflect payments made after the Requisite date of the previously issued invoice.				
			Total Charge to Market Participant	

FIGURE 11 - CSI CONSOLIDATED INVOICE: INVOICE SUMMARY - PDF OUTPUT

1. Each **Monthly Invoice** may include the following monthly billing period(s) and versions:
 - a. **Initial Month Settlement - Version 1**
 - i. Includes **all days** in a billing month regardless of whether all the days had been previously included on a FIP Weekly invoice
 - ii. Version 1** data locked and not overwritten
 - b. **Four Month True-Up – Version 2**
 - i. **Version 2** data locked and not overwritten
 - c. **Final Bill Close Out (FBC) – Version 3**
 - i. **Version 3** data locked and not overwritten
 - d. **FERC Ordered – Version 4** (Note: version number may be higher depending on Billing Month and Year)
 - i. **Version 4** data locked and not overwritten

Note: Non Invoiced Billing Days are **Version 0**; Version 0 data overwritten each time the billing day is spun

2. Each **Weekly Invoice** will include one **and only one** Flexible Invoice Period (FIP) billing period and its version

	A	B	C	D	E	F	G
1							
2	Market Participant Name:		NYISO Market Participant Invoice Dated:				
3					Invoice Number:		
4					FBC Posting Date:	N/A	
5					Invoice Issued:	1/5/2011	
6					Payment Due to the NYISO:	1/12/2011	
7					Total Charge to Market Participant		
8							
9							
10					Flexible Settlement	Total	
11					Version 0.5		
12							
13	Monthly Payments / (Charges)						
14							
15	Power Supplier						
16	Transmission Customer						
17	Transmission Congestion Contract Holder						
18	Transmission Owner						
19	Demand Response Customer						
20	Virtual Bidding Customer						
21	Settlement Subtotal						
22	Previous Version Settlement Subtotal						
23	Total Current Settlement Subtotal						
24	Adjustments						
25	Interest Payment to (Charge to) Market Participant						
26	Current Invoice Payment (Charge to) Market Participant						
27	Prepayments						
28	Net Payment to (Charge to) Market Participant						
29					Working Capital Cash Transactions:		
30					ICAP Transaction to Market Participant:		
31	Instructions for making electronic payments to New York Independent System Operator, Inc.						
32					Invoice Total		
33							
34							
35					Overpayment*		
36					Past Due Balance**		
37	* The amounts of the Overpayment and Past Due Balances may not reflect payments made after the Requisite date of the previously issued invoice.						
38					Total Charge to Market Participant		
39							
40							

Figure 12 - CSI Consolidated Invoice: Invoice summary - XLS output

a. FIP - **Version 0.5 (NEW)**

- i. Includes a billing period of 7 days or less within the same calendar month
- ii. **Version 0.5** data locked and not overwritten

Note: Non Invoiced Billing Days are **Version 0**; Version 0 data overwritten each time the billing day is spun

3. DRAFT ~~and FINAL~~ Invoices will be clearly annotated with a watermark

3.4. Current sign convention maintained for invoice dollar amounts (\$ or (\$))

3.5. Invoice Banking Date (Requisite Date or Disbursement Date) populated based upon invoice total

- a. MP Total Charge **or** MP Total Payment will be shown on header and footer sections of the Invoice

a.b. Invoice with Requisite Date populated for MPs which owe NYISO

a.c. Invoice with Disbursement Date populated for MPs which are owed from NYISO

6. 25-day Posting Date (FBC Posting Date) added to Invoice header for invoices including a FBC or FERC Ordered

7. Separate invoice line items:

- a. Settlement Subtotal – sum of the 6 Settlement Categories
 - i. Each settlement line item will show the **full** amount charged/credited for each billing period (changed from the net difference charged/credited on the previous invoiced version)

b. Previous Version Settlement Subtotal

b.c. Total Current Settlement Subtotal – difference between the ‘Settlement Subtotal’ and the ‘Previous Version Settlement Subtotal’

b.d. Adjustments - will continue to be applied to the monthly billing periods

b.e. Prepayments – sum of all prepayments for the billing period

b.f. Working Capital:

- i. Working Capital Cash Transactions (*moved on invoice summary*)
- ii. Removed Monthly Working Capital section (*from bottom of invoice to working capital report*)

g. ICAP Transactions to Market Participant (*moved on invoice layout*)

- i. Weekly invoices will reflect the appropriate share of the ICAP strip, monthly and spot awards for that month

iii. Monthly invoices will reflect ICAP awards which were not invoiced weekly as well as the ICAP load shift and ICAP true-ups

h. Overpayment (*changed from Balance Due on Prior Invoice(s)*)

hi. Past Due Balance (*changed from Balance Due on Prior Invoice(s)*)

8. Banking Instructions included on the Invoice Summary

8.9. Line items will be blank when there is no associated activity, and \$0.00 when the activity resulted in no charge/credit

INVOICE DETAIL REPORTS

- **All Invoice Detail Reports**

1. Updated query screens will request user input of calendar month

1.2. Updated query response will include a listing of Invoices (including their associated Billing Periods) where one of the associated billing periods includes some/all of the days within the defined calendar month

1.3. Output format is XLS

1.4. Report pages will include the appropriate text when there is no activity in that category for that invoice date instead of being left blank

- **Invoice Detail Report**

	A	B	C
1	Power Supplier Statement Monthly Billing Period (09/01/2009)	Initial Settlement	4 Month Settlement
2			
3	Invoice Date	10/7/2009	2/5/2010
4	Energy (MWh)		
5	300 Forward Energy		
6	303 Balancing Energy		
7			
8	Energy Settlement (\$)		
9	301 Forward Energy		
10	304 Balancing Energy		

Figure 13 - CSI Consolidated Invoice: Invoice Detail – Monthly Billing Period

1. No change to existing data

2. The output of the report will include columns for FIP billing periods
- **Adjustment Detail Report**
 1. No change to existing data
 - ~~1.2.~~ Provides the existing 'Adjustments data **with comments**' report
 - ~~1.3.~~ Adjustment comments will be included in single XLS cell
 - **Prepayment Report (NEW)**
 1. Provides data on report for prepayments that were applied to the current invoice
 - ~~1.2.~~ Only those prepayments applied to invoices after October 1, 2011 will be available on this report.

WORKING CAPITAL QUERY AND REPORT

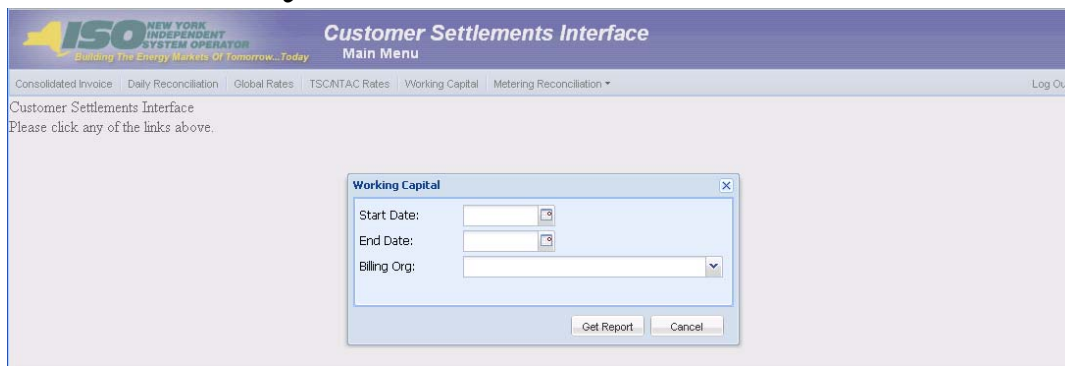


FIGURE 14.14.2 - CSI MAIN MENU: WORKING CAPITAL

1. Updated query screen will request user input of date range
- ~~1.2.~~ Updated output will include a listing of all transactions within that date range
- ~~1.3.~~ Data output will include Type ID, Transaction Date, Type Description, Amount, Opening Balance (new) and Closing Balance (new)
4. Output format is XLS

DAILY RECONCILIATION QUERY AND RESULTS REPORT

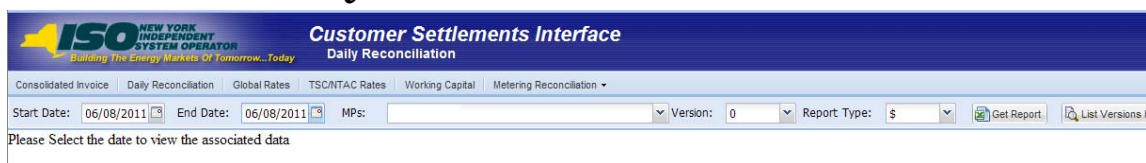


FIGURE 15 - CSI DAILY RECONCILIATION MAIN PAGE

1. Updated query screen will request user input of date range
- ~~1.2.~~ Updated query screen will support 0.5 version
3. No change to existing data output
- ~~3.4.~~ Output format is XLS

SETTLEMENT DATA EXCHANGE (SDX)

1. No changes to the SDX URL

~~1.2.~~ All download templates updated to support 0.5 version

~~1.3.~~ Invoice Download template is being retired

- a. Template has never been used by an MP

DECISION SUPPORT SYSTEM (DSS): CUSTOMER SETTLEMENTS DATAMART

1. Existing settlement report prompts and output within the DSS CS datamart will be updated as appropriate to account for Weekly Invoicing and FIP versioning

~~1.2.~~ Automated Data Delivery (ADD) will be updated

- i. Daily Customer Statements; include query/request for Version 0.5 data

- ~~ii.~~ Hourly Customer Statements; include query/request for Version 0.5 data

- ~~iii.~~ Invoice Version Manager; include Version 0.5 data

- iv. users may schedule Weekly and/or Monthly Invoices

3. All Universes/Objects updated to include query by start and end dates of billing period

~~3.4.~~ New objects created for Prepayment data: Prepayment Total, Virtual Margin Payment, Prepayment

~~3.5.~~ 'Invoice Version History Report' renamed to 'Monthly Invoice Version History Report'; continues to show differences between monthly invoiced versions

~~3.6.~~ 'FIP to Initial Month Invoice Report' – NEW – User selects a Billing Month

Based on the Billing Month selected, the report output will include the settlement and ICAP totals by category:

- Settlement and ICAP Category Totals

- a. Power Supplier Statements (\$)

~~a.b.~~ Load Serving Entity Statements (\$)

~~a.c.~~ Transaction Customer Statements (\$)

~~a.d.~~ Virtual Billing Statements (\$)

~~a.e.~~ Transmission Congestion Contracts Statements (\$)

~~a.f.~~ Demand Response Program Statements (\$)

~~a.g.~~ Net Payment / (Charge): total of the categories listed above

~~a.h.~~ ICAP Settlement (\$)

The report will include a column for:

- a. Each FIP invoice (Version 0.5) in that Billing Month

~~a.b.~~ The total of the FIP invoices in that Billing Month

a.c. The Initial (Version 1) invoiced amount

7. Invoice summary level data will continue to be available in DSS

7.8. 'Monthly Invoice Support' Report – updated in conjunction with the changes on the Invoice Summary; including

a. FIP Invoice Interest tab - NEW

a.b. Prepayments tab - NEW

a.c. Monthly Working Capital tab (no changes)

CREDIT MANAGEMENT SYSTEM (CMS) AND CREDIT POLICY

1. MP UI reports and screens will be updated to reflect credit requirements for weekly invoicing

a. Virtual Transaction Report

a.b. Virtual Bid Settlement Detail Report

a.c. Energy Prepay Report

a.d. ICAP Report

2. CMS will be updated with a credit factor reflecting weekly invoicing

2.3. In accordance with FERC ruling, CMS will be updated to:

a. Account for a maximum level of \$50M in unsecured credit for all entities within a corporate family

a.b. Reduce the extension of unsecured credit to no more than \$50M per MP

4. NYISO Paydown program will no longer be supported after October 1, 2011

4.5. NYISO Prepayment program will be aligned with the billing week

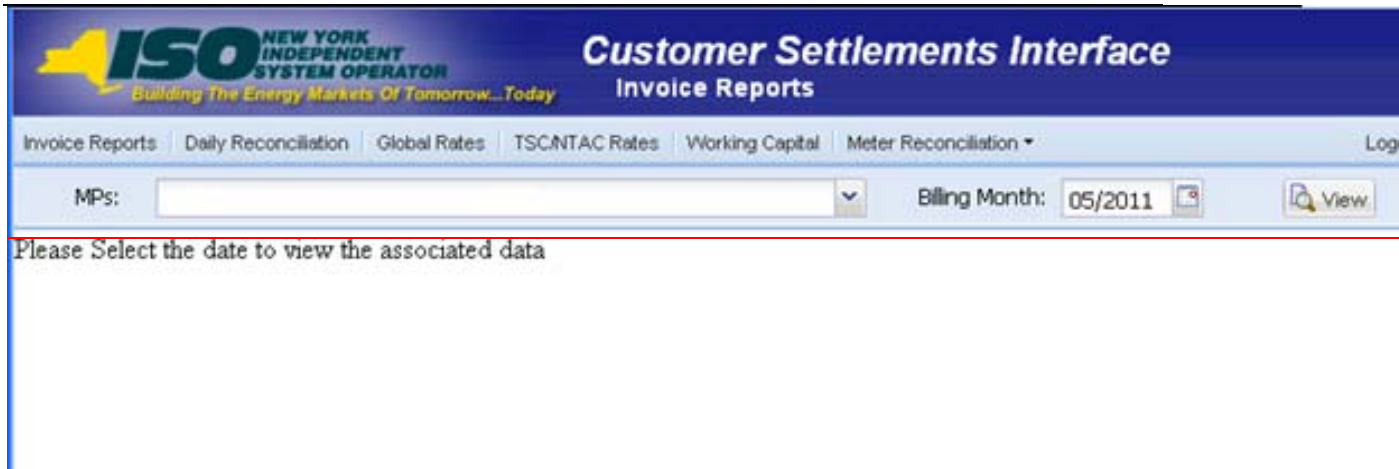
APPENDIX A: CUSTOMER SETTLEMENTS INTERFACE SCREEN SHOTS

The screen shots included in this section are included for discussion purposes only.

~~SAMPLE 1: NEW CUSTOMER SETTLEMENTS INTERFACE MAIN PAGE~~



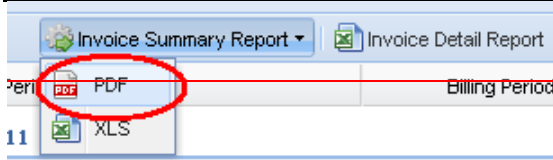
~~SAMPLE 2: INVOICE REPORTS QUERY SCREEN~~



~~SAMPLE 3: INVOICE REPORTS CALENDAR MONTH SELECTION~~



SAMPLE 4: INVOICE SUMMARY REPORT OUTPUT OPTION



SAMPLE 51: INVOICE SUMMARY REPORT - MONTHLY INVOICE

NYISO Market Participant Invoice Dated June 05, 2010														
Market Participant Name: ABC Company														
		<table border="1"> <tr> <td>Invoice Number:</td> <td>3628-20100605</td> </tr> <tr> <td>FBC Posting Date:</td> <td>5/5/2010</td> </tr> <tr> <td>Invoice Issued:</td> <td>6/5/2010</td> </tr> <tr> <td>Payments Due To the NYISO on :</td> <td>6/7/2010</td> </tr> <tr> <td>Total Charge to Market Participant</td> <td>(\$277,132.21)</td> </tr> </table>			Invoice Number:	3628-20100605	FBC Posting Date:	5/5/2010	Invoice Issued:	6/5/2010	Payments Due To the NYISO on :	6/7/2010	Total Charge to Market Participant	(\$277,132.21)
Invoice Number:	3628-20100605													
FBC Posting Date:	5/5/2010													
Invoice Issued:	6/5/2010													
Payments Due To the NYISO on :	6/7/2010													
Total Charge to Market Participant	(\$277,132.21)													
	May-2010 Initial Settlement Version 1	January-2010 4 Month Settlement Version 2	November-2009 Final Bill Close-out Version 3	Total										
Monthly Payments/(Charges)														
Power Supplier	\$0.00	\$0.00	\$0.00	\$0.00										
Transmission Customer	(\$546,564.67)	(\$446,784.85)	(\$484,678.42)	(\$1,478,027.94)										
Transmission Congestion Contract Holder	\$8,788.23	\$11,485.99	\$8,788.23	\$29,062.45										
Transmission Owner	\$0.00	\$0.00	\$0.00	\$0.00										
Demand Response Customer	\$0.00	\$0.00	\$0.00	\$0.00										
Virtual Bidding Customer	\$0.00	\$0.00	\$0.00	\$0.00										
Settlement Subtotal	(\$537,776.44)	(\$435,298.86)	(\$475,890.19)	(\$1,448,965.49)										
Previous Version Settlement Subtotal	(\$521,678.88)	(\$442,561.95)	(\$434,185.68)	(\$1,398,426.51)										
Total Current Settlement Subtotal	(\$16,097.56)	\$7,263.09	(\$41,704.51)	(\$50,538.98)										
Adjustments	\$4,444.11	\$8,764.11	\$4,567.96	\$17,776.18										
Interest Payment to (Charge to) Market Participant	\$0.00	\$0.00	\$0.00	\$0.00										
Current Invoice Payment to (Charge to) Market Participant	(\$11,653.45)	\$16,027.20	(\$37,136.55)	(\$32,762.80)										
Prepayments	\$7,654.00			\$7,654.00										
Net Payment to (Charge to) Market Participant	(\$3,999.45)	\$16,027.20	(\$37,136.55)	(\$25,108.80)										
Instructions for making electronic payments to New York Independent System Operator, I Key Bank, N.A. 66 South Pearl Street Albany, NY 12210 ABA# 3435323 Account# 123456789		Working Capital Cash Transactions \$0.00 ICAP Transactions to Market Participant (\$256,710.41)		Invoice Total (\$281,819.21)										
				Overpayment* \$4,687.00										
				Past Due Balance* \$0.00										
*The amounts of the Overpayment and Past Due Balance may not reflect payments made after the Required date of the previously issued Invoice														
Total Charge to Market Participant				(\$277,132.21)										

SAMPLE 2: INVOICE SUMMARY REPORT - FLEXIBLE INVOICE

<u>NYISO Market Participant Invoice Dated November 16, 2011</u>												
Market Participant Name: ABC Company												
		<table> <tr> <td>Invoice Number:</td> <td style="text-align: right;">3628-20111116</td> </tr> <tr> <td>FBC Posting Date:</td> <td style="text-align: right;">N/A</td> </tr> <tr> <td>Invoice Issued:</td> <td style="text-align: right;">11/16/2011</td> </tr> <tr> <td>Payments Due To the NYISO on :</td> <td style="text-align: right;">11/18/2011</td> </tr> <tr> <td>Total Charge to Market Participant:</td> <td style="text-align: right;">(\$41,800.00)</td> </tr> </table>	Invoice Number:	3628-20111116	FBC Posting Date:	N/A	Invoice Issued:	11/16/2011	Payments Due To the NYISO on :	11/18/2011	Total Charge to Market Participant:	(\$41,800.00)
Invoice Number:	3628-20111116											
FBC Posting Date:	N/A											
Invoice Issued:	11/16/2011											
Payments Due To the NYISO on :	11/18/2011											
Total Charge to Market Participant:	(\$41,800.00)											
November 5- November 11, 2011												
	Flexible Settlement Version 0.5	Total										
<u>Monthly Payments/(Charges)</u>												
Power Supplier	\$0.00	\$0.00										
Transmission Customer	(\$50,000.00)	(\$50,000.00)										
Transmission Congestion Contract Holder	(\$2,000.00)	(\$2,000.00)										
Transmission Owner	\$0.00	\$0.00										
Demand Response Customer	\$0.00	\$0.00										
Virtual Bidding Customer	\$0.00	\$0.00										
Settlement Subtotal	(\$52,000.00)	(\$52,000.00)										
Previous Version Settlement Subtotal		\$0.00										
Total Current Settlement Subtotal	(\$52,000.00)	(\$52,000.00)										
Adjustments		\$0.00										
Interest Payment to (Charge to) Market Participant		\$0.00										
Current Invoice Payment to (Charge to) Market Participant	(\$52,000.00)	(\$52,000.00)										
Prepayments	\$10,000.00	\$10,000.00										
Net Payment to (Charge to) Market Participant	(\$42,000.00)	(\$42,000.00)										
Instructions for making electronic payments to New York Independent System Operator: Key Bank, N.A. 66 South Pearl Street Albany, NY 12210 ABA# 3435323 Account# 123456789		Working Capital Cash Transactions ICAP Transactions to Market Participant (\$1,800.00) <hr/> Invoice Total (\$43,800.00) Overpayment* \$2,000.00 Past Due Balance* \$0.00										
*The amounts of the Overpayment and Past Due Balance may not reflect payments made after the Requisite date of the previously issued Invoice												
Total Charge to Market Participant		(\$41,800.00)										