

<b>SR_RTLOCSUM – Real Time Energy Market Locational Summary Report – Rev 8</b>	
SR_RTLOCSUM_<customer id>_<settlement date>_<version>.CSV	
<Customer Name>	
Date: mm/dd/yyyy and Version: mm/dd/yyyy hh:mm:ss GMT	
Availability: Participants and Transmission Customers with Real Time Locational Settlements	
REPORT COLUMN	DESCRIPTION
<b>Customer Section</b>	
Trading Interval	Specific hour for which the information is reported. Numeric from 1 – 24. (For daylight-saving crossover days: the long day extra hour = 02X, the short day removes hour 02.)
Location ID	The location identification number.
Location Name	The location name.
Location Type	<ul style="list-style-type: none"> <li>• ‘LOAD ZONE’</li> <li>• ‘NETWORK NODE’</li> <li>• ‘HUB’</li> <li>• ‘DRR AGGREGATION ZONE’</li> </ul>
Revenue Metered Generation	The sum of the customer’s subhourly Revenue Metered Generation values in the hour, divided by 12.
Scheduled Imports	The sum of the customer’s subhourly Scheduled Import values in the hour, divided by 12.
Real Time Generation Obligation	The sum of the customer’s Revenue Metered Generation and Scheduled Imports.
Revenue Metered Load	The sum of the customer’s subhourly Revenue Metered Load values in the hour, divided by 12.
Scheduled Exports	The sum of the customer’s subhourly Scheduled Exports values in the hour, divided by 12.
Internal Bilateral For Load	<p>The sum of the customer’s subhourly IBL net MW values in the hour, divided by 12.</p> <p>A bilateral transaction under which the buyer receives a reduction in Real Time Load Obligation and the seller receives a corresponding increase in Real Time Load Obligation in the amount of the sale.</p> <p>Internal Bilateral for Load is only applicable in the Real Time energy market.</p>
Real Time Load Obligation	The sum of Revenue Metered Load, Scheduled Exports, and Internal Bilateral for Load at the specified location.
Real Time Internal Bilateral For Market Purchases	The sum of the customer’s subhourly RT IBM purchases in the hour, divided by 12.
Real Time Internal Bilateral For Market Sales	The sum of the customer’s subhourly RT IBM sales in the hour, divided by 12.
Real Time Adjusted Load Obligation	The sum of RT Load Obligation, RT IBM purchases, RT IBM sales, DA IBM purchases, and DA IBM sales at the specified location.
Real Time Adjusted Net Interchange	Real Time Generation Obligation plus Real Time Adjusted Load Obligation at the specified location.
Adjusted Net Interchange Deviation	Difference in MW between the (1) Real Time Adjusted Net Interchange and (2) the difference between the Day Ahead Adjusted Net Interchange and the Day Ahead Demand Reduction Obligation at the specified location.
Real Time Energy Component	The energy component of the LMP at the specified location.
Real Time Congestion Component	The congestion component of the LMP at the specified location.

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Availability: Participants and Transmission Customers with Real Time Locational Settlements	
REPORT COLUMN	DESCRIPTION
Real Time Marginal Loss Component	The loss component of the LMP at the specified location.
Real Time Energy Charge/Credit	The sum of the subhourly Real Time Energy Charge/Credit values for the Trading Interval.
Real Time Congestion Charge/Credit	The sum of the subhourly Real Time Congestion Charge/Credit values for the Trading Interval.
Real Time Loss Charge/Credit	The sum of the subhourly Real Time Loss Charge/Credit values for the Trading Interval.
Real Time Internal Bilateral For Market Purchases Impacting MLRLO	The MW amount of IBM purchases impacting MLRLO at the specified location.
Real Time Internal Bilateral For Market Sales Impacting MLRLO	The MW amount of IBM sales impacting MLRLO at the specified location.
Marginal Loss Revenue Load Obligation (MLRLO)	The sum of Real Time Load Obligation for Charge Allocation, Real Time Internal Bilateral For Market Purchases Impacting MLRLO, Real Time Internal Bilateral For Market Sales Impacting MLRLO, Day-Ahead IBM purchases impacting MLRLO, and Day-Ahead IBM sales impacting MLRLO at the specified location.
Real Time Generation Obligation for Charge Allocation	The customer's total Real Time Generation Obligation excluding obligation from Coordinated External Transactions, at the specified location.
Real Time Load Obligation for Charge Allocation	The customer's total Real Time Load Obligation excluding obligation from Coordinated External Transactions, at the specified location.
Real Time Adjusted Net Interchange for Charge Allocation	The customer's total Real Time Adjusted Net Interchange excluding obligation from Coordinated External Transactions, at the specified location.
Real Time Demand Reduction Obligation	The sum of the customer's subhourly Demand Reduction Obligation at the specified location.
Real Time Load Obligation for Demand Reduction Allocation	The sum of the customer's subhourly Real Time Load Obligation, excluding Real Time Load Obligation incurred at all External Nodes, and excluding Real Time Load Obligation incurred by DARD pumps at the specified location.
Demand Reduction Obligation Deviation	The sum of the customer's subhourly Demand Reduction Obligation Deviation at the specified location.
Real Time Demand Reduction Credit	The sum of the customer's subhourly Real Time Demand Reduction Credits at the specified location.
Real Time Demand Reduction Charge	The pool total of the Real Time Demand Reduction Credits for the hour multiplied by the customer's prorata share of the Pool Real Time Load Obligation for Demand Reduction Allocation for the hour at the specified location.
<b>Subaccount Section</b>	
Subaccount ID	The alpha numeric identifier for the subaccount. This section shall not be populated with data when subaccount reporting is not enabled.
Subaccount Name	The name of the subaccount.
Trading Interval	Specific hour for which the information is reported. Numeric from 1 – 24. (For daylight-saving crossover days: the long day extra hour = 02X, the short day removes hour 02.)
Location ID	The location identification number.

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REPORT COLUMN	DESCRIPTION
Location Name	The location name.
Location Type	<ul style="list-style-type: none"> <li>• ‘LOAD ZONE’</li> <li>• ‘NETWORK NODE’</li> <li>• ‘HUB’</li> <li>• ‘DRR AGGREGATION ZONE’</li> </ul>
Revenue Metered Generation	The sum of the subaccount’s subhourly Revenue Metered Generation values in the hour, divided by 12.
Scheduled Imports	The sum of the subaccount’s subhourly Scheduled Imports values in the hour, divided by 12.
Real Time Generation Obligation	The subaccount’s Revenue Metered Generation plus Scheduled Imports at the location.
Revenue Metered Load	The sum of the subaccount’s subhourly Revenue Metered Load values in the hour, divided by 12.
Scheduled Exports	The subaccount’s Scheduled Exports at the location.
Internal Bilateral For Load	The sum of the subaccount’s subhourly IBL net MW values in the hour, divided by 12.
Real Time Load Obligation	The subaccount’s sum of Revenue Metered Load, Exports, and Internal Bilateral for Load at the specified location.
Real Time Internal Bilateral For Market Purchases	The sum of the subaccount’s subhourly RT IBM purchases in the hour, divided by 12.
Real Time Internal Bilateral For Market Sales	The sum of the subaccount’s subhourly RT IBM sales in the hour, divided by 12.
Real Time Adjusted Load Obligation	The subaccount’s sum of RT Load Obligation, RT IBM Purchases, RT IBM Sales, DA IBM purchases, and DA IBM sales at the specified location.
Real Time Adjusted Net Interchange	The subaccount’s Real Time Generation Obligation plus the Real Time Adjusted Load Obligation at the specified location.
Adjusted Net Interchange Deviation	The subaccount’s difference in MW between the (1) Real Time Adjusted Net Interchange and (2) the difference between the Day Ahead Adjusted Net Interchange and the Day Ahead Demand Reduction Obligation at the specified location.
Real Time Energy Component	The energy component of the LMP at the specified location.
Real Time Congestion Component	The congestion component of the LMP at the specified location.
Real Time Marginal Loss Component	The loss component of the LMP at the specified location.
Real Time Energy Charge/Credit	The subaccount’s share of the sum of the subhourly Real Time Energy Charge/Credit values for the Trading Interval.
Real Time Congestion Charge/Credit	The subaccount’s share of the sum of the subhourly Real Time Congestion Charge/Credit values for the Trading Interval.
Real Time Loss Charge/Credit	The sum of the subaccount’s share of the subhourly Real Time Loss Charge/Credit values for the Trading Interval.
Real Time Internal Bilateral For Market Purchases Impacting MLRLO	The subaccount’s MW amount of IBM purchases impacting MLRLO at the specified location.
Real Time Internal Bilateral For Market Sales Impacting MLRLO	The subaccount’s MW amount of IBM sales impacting MLRLO at the specified location.

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REPORT COLUMN	DESCRIPTION
Marginal Loss Revenue Load Obligation (MLRLO)	The subaccount's sum of Real Time Load Obligation for Charge Allocation, Real Time Internal Bilateral For Market Purchases Impacting MLRLO, Real Time Internal Bilateral For Market Sales Impacting MLRLO, Day-Ahead IBM purchases impacting MLRLO, and Day-Ahead IBM sales impacting MLRLO at the specified location.
Real Time Generation Obligation for Charge Allocation	The subaccount's Real Time Generation Obligation excluding obligation from Coordinated External Transactions, at the specified location.
Real Time Load Obligation for Charge Allocation	The subaccount's Real Time Load Obligation excluding obligation from Coordinated External Transactions, at the specified location.
Real Time Adjusted Net Interchange for Charge Allocation	The subaccount's Real Time Adjusted Net Interchange excluding obligation from Coordinated External Transactions, at the specified location.
Real Time Demand Reduction Obligation	The sum of the subaccount's subhourly Demand Reduction Obligation at the specified location.
Real Time Load Obligation for Demand Reduction Allocation	The sum of the subaccount's subhourly Real Time Load Obligation, excluding Real Time Load Obligation incurred at all External Nodes, and excluding Real Time Load Obligation incurred by DARD pumps at the specified location.
Demand Reduction Obligation Deviation	The sum of the subaccount's subhourly Demand Reduction Obligation Deviation at the specified location.
Real Time Demand Reduction Credit	The sum of the subaccount's subhourly Real Time Demand Reduction Credit at the specified location.
Real Time Demand Reduction Charge	The pool total of the Real Time Demand Reduction Credits for the hour multiplied by the subaccount's prorata share of the Pool Real Time Load Obligation for Demand Reduction Allocation for the hour at the specified location.
<b>15-Minute CTS Location Section</b> This tab will be reported as NULL.	
Trading Interval	Specific 15-minute interval for which the information is reported. (For daylight-saving crossover days: the long day extra hour = hh:mmX, the short day removes intervals from 01:15 to 02:00).
Hour End	Specific hour for which the information is reported. Numeric from 1 – 24. (For daylight-saving crossover days: the long day extra hour = 02X, the short day removes hour 02.)
Location ID	The location identifier.
Location Name	The location name.
Location Type	The location type.
Revenue Metered Generation	Revenue Metered Generation at the location during the specified Trading Interval.
Scheduled Imports	The total of customer's Imports at the location during the specified Trading Interval.
Real Time Generation Obligation	Revenue Metered Generation plus Scheduled Imports at the location during the specified Trading Interval.

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REPORT COLUMN	DESCRIPTION
Real Time Generation Obligation for Charge Allocation	Real Time Generation Obligations excluding obligation from Coordinated External Transactions, at the specified location.
Revenue Metered Load	The total of customer's share of Revenue Metered Load at the location during the specified Trading Interval.
Scheduled Exports	The total of customer's exports at the location during the specified Trading Interval.
Internal Bilateral For Load	The net MW amount of the location IBLs which is the sum of the customer's purchases plus the sum of the customer's sales (a bilateral transaction under which the buyer receives a reduction in Real Time Load Obligation and the seller receives a corresponding increase in Real Time Load Obligation in the amount of the sale. Internal Bilateral for Load is only applicable in the Real Time energy market). The hourly value will be shown for the 15-minute interval.
Real Time Load Obligation	Revenue Metered Load plus Scheduled Exports plus Internal Bilateral for Load at the specified location.
Real Time Load Obligation for Charge Allocation	Real Time Load Obligations excluding obligation from Coordinated External Transactions, at the specified location.
Real Time Internal Bilateral For Market Purchases	The MW amount of RT IBM purchases at the specified location. The hourly value will be shown for the 15-minute interval.
Real Time Internal Bilateral For Market Sales	The MW amount of RT IBM sales at the specified location. The hourly value will be shown for the 15-minute interval.
Real Time Adjusted Load Obligation	Real Time Load Obligation plus the Real Time Internal Bilateral For Market Purchases plus the Real Time Internal Bilateral For Market Sales plus the DA IBM purchases plus the DA IBM sales at the specified location.
Real Time Adjusted Net Interchange	Equals the Real Time Generation Obligation plus the Real Time Adjusted Load Obligation at the specified location.
Real Time Adjusted Net Interchange for Charge Allocation	The customer's total Real Time Adjusted Net Interchange excluding obligation from Coordinated External Transactions, at the specified location.
Adjusted Net Interchange Deviation	The difference in megawatt hours between the Real Time Adjusted Net Interchange and the Day Ahead Adjusted Net Interchange.
Real Time Energy Component	The energy component of the LMP at the specified location.
Real Time Congestion Component	The congestion component of the LMP at the specified location.
Real Time Marginal Loss Component	The loss component of the LMP at the specified location.
Real Time Energy Charge/Credit	Real Time Adjusted Net Interchange Deviation multiplied by Real Time Energy Component, divided by 4.
Real Time Congestion Charge/Credit	Real Time Adjusted Net Interchange Deviation multiplied by Real Time Congestion Component, divided by 4.
Real Time Loss Charge/Credit	Real Time Adjusted Net Interchange Deviation multiplied by Real Time Loss Component, divided by 4.
Real Time Internal Bilateral For Market Purchases Impacting MLRLO	The MW amount of IBM purchases impacting MLRLO at the specified location. The hourly value will be applied to each 15-minute interval.
Real Time Internal Bilateral For Market Sales Impacting MLRLO	The MW amount of IBM sales impacting MLRLO at the specified location. The hourly value will be applied to each 15-minute interval.

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REPORT COLUMN	DESCRIPTION
Marginal Loss Revenue Load Obligation (MLRLO)	Real Time Load Obligation for Charge Allocation plus the Real Time Internal Bilateral For Market Purchases Impacting MLRLO plus the Real Time Internal Bilateral For Market Sales Impacting MLRLO plus the Day-Ahead IBM purchases impacting MLRLO plus the Day-Ahead IBM sales impacting MLRLO at the specified location.
<b>Subaccount Section - CTS Location</b> This tab will be reported as NULL.	
Subaccount ID	The alpha numeric identifier for the subaccount. This section shall not be populated with data when subaccount reporting is not enabled.
Subaccount Name	The name of the subaccount.
Trading Interval	Specific hour for which the information is reported. (For daylight-saving crossover days: the long day extra hour = hh:mmX, the short day removes intervals from 01:15 to 02:00).
Hour End	Specific hour for which the information is reported. Numeric from 1 – 24. (For daylight-saving crossover days: the long day extra hour = 02X, the short day removes hour 02.)
Location ID	The location identifier.
Location Name	The location name.
Location Type	The location type.
Revenue Metered Generation	The subaccount’s share of Revenue Metered Generation at the location during the specified Trading Interval.
Scheduled Imports	The total of the subaccount’s Scheduled Imports at the location during the specified Trading Interval.
Real Time Generation Obligation	The subaccount Revenue Metered Generation plus Scheduled Imports at the location during the specified Trading Interval.
Real Time Generation Obligation for Charge Allocation	The subaccount’s total of Real Time Generation Obligations excluding obligation from Coordinated External Transactions, at the specified location.
Revenue Metered Load	The subaccount’s share of Revenue Metered Load at the location during the specified Trading Interval.
Scheduled Exports	The total of the subaccount’s Scheduled Exports at the location during the specified Trading Interval.
Internal Bilateral For Load	The net MW amount of location IBLs which is the sum of the subaccount’s purchases plus the sum of the subaccount’s sales (a bilateral transaction under which the buyer receives a reduction in Real Time Load Obligation and the seller receives a corresponding increase in Real Time Load Obligation in the amount of the sale. Internal Bilateral for Load is only applicable in the Real Time energy market). The hourly value will be shown for the 15-minute interval.
Real Time Load Obligation	The subaccount’s sum of Revenue Metered Load plus Exports plus Internal Bilateral for Load at the specified location.
Real Time Load Obligation for Charge Allocation	The subaccount’s total of Real Time Load Obligation excluding obligation from Coordinated External Transactions, at the specified location.
Real Time Internal Bilateral For Market Purchases	The subaccount’s MW amount of IBM purchases at the specified location. The hourly value will be shown for the 15-minute interval.

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REPORT COLUMN	DESCRIPTION
Real Time Internal Bilateral For Market Sales	The subaccount's MW amount of IBM sales at the specified location. The hourly value will be shown for the 15-minute interval.
Real Time Adjusted Load Obligation	The subaccount's sum of Real Time Load Obligation plus the Real Time Internal Bilateral For Market Purchases plus the Real Time Internal Bilateral For Market Sales plus the DA IBM purchases plus the DA IBM sales at the specified location.
Real Time Adjusted Net Interchange	The subaccount's Real Time Generation Obligation plus the Real Time Adjusted Load Obligation at the specified location.
Real Time Adjusted Net Interchange for Charge Allocation	The subaccount's total Real Time Adjusted Net Interchange excluding obligation from Coordinated External Transactions, at the specified location.
Adjusted Net Interchange Deviation	The subaccount's difference in megawatt hours between the Real Time Adjusted Net Interchange and the Day Ahead Adjusted Net Interchange.
Real Time Energy Component	The energy component of the LMP at the specified location.
Real Time Congestion Component	The congestion component of the LMP at the specified location.
Real Time Marginal Loss Component	The loss component of the LMP at the specified location.
Real Time Energy Charge/Credit	The subaccount's Real Time Adjusted Net Interchange Deviation multiplied by Real Time Energy Component, divided by 4.
Real Time Congestion Charge/Credit	The subaccount's Real Time Adjusted Net Interchange Deviation multiplied by Real Time Congestion Component, divided by 4.
Real Time Loss Charge/Credit	The subaccount's Real Time Adjusted Net Interchange Deviation multiplied by Real Time Loss Component, divided by 4.
Real Time Internal Bilateral For Market Purchases Impacting MLRLO	The subaccount's MW amount of IBM purchases impacting MLRLO at the specified location. The hourly value will be shown for each 15-minute interval.
Real Time Internal Bilateral For Market Sales Impacting MLRLO	The subaccount's MW amount of IBM sales impacting MLRLO at the specified location. The hourly value will be shown for each 15-minute interval.
Marginal Loss Revenue Load Obligation (MLRLO)	The subaccount's sum of the Real Time Load Obligation for Charge Allocation plus the Real Time Internal Bilateral For Market Purchases Impacting MLRLO plus the Real Time Internal Bilateral For Market Sales Impacting MLRLO plus the Day-Ahead IBM purchases impacting MLRLO plus the Day-Ahead IBM sales impacting MLRLO at the specified location.

SR_RTLOCSUM Change Summary	Effective Date
<p><b>Modified.</b> Removed outdated effective dating references from column descriptions. In the “Customer Section”: modified description of “Real Time Energy Charge/Credit”, “Real Time Congestion Charge/Credit” and “Real Time Loss Charge/Credit”. In the “Subaccount Section”: modified description of “Real Time Energy Charge/Credit”, “Real Time Congestion Charge/Credit” and “Real Time Loss Charge/Credit”. The headlines for “15-Minute CTS Location Section” and “Subaccount Section – CTS Location”.</p>	04.01.2020
<p><b>Modified.</b> In “Customer Section” and “Subaccount Section” added “DRR Aggregation Zone” to “Location Type”. Updated description for “Adjusted Net Interchange Deviation”. Added columns for “Real Time Demand Reduction Obligation”, “Real Time Load Obligation for Demand Reduction Allocation”, "Demand Reduction Obligation Deviation", "Real Time Demand Reduction Credit", and "Real Time Demand Reduction Charge". In the “Subaccount Section”, modified descriptions for “Revenue Metered Generation”, “Scheduled Imports”, “Revenue Metered Load”, “Internal Bilateral For Load”, “Real Time Internal Bilateral For Market Purchases” and “Real Time Internal Bilateral For Market Sales”.</p>	06.01.2018
<p><b>Modified.</b> In “Customer Section” and “Subaccount Section”: removed outdated effective dating references from column descriptions; also modified description of “Revenue Metered Generation”, “Scheduled Imports”, “Real Time Generation Obligation”, “Revenue Metered Load”, “Scheduled Exports”, “Internal Bilateral For Load”, “Real Time Internal Bilateral For Market Purchases”, “Real Time Internal Bilateral For Market Sales, “Adjusted Net Interchange Deviation”, “Real Time Energy Charge/Credit”, “Real Time Congestion Charge/Credit”, and “Real Time Loss Charge/Credit”. Update: The “15-Minute CTS Location Section” and “Subaccount Section – CTS Location” will not be removed; however the columns will not be populated with data for settlements beginning March 1, 2017.</p>	03.01.2017
<p><b>Modified.</b> In “Customer Section”: modified description of “Real Time Energy Charge/Credit”, “Real Time Congestion Charge/Credit”, “Real Time Loss Charge/Credit”, and “Marginal Loss Revenue Load Obligation (MLRLO)”; added new columns “Real Time Generation Obligation for Charge Allocation”, “Real Time Load Obligation for Charge Allocation”, and “Real Time Adjusted Net Interchange for Charge Allocation”. In “Subaccount Section”: modified description of “Marginal Loss Revenue Load Obligation (MLRLO)”; added new columns “Real Time Generation Obligation for Charge Allocation”, “Real Time Load Obligation for Charge Allocation”, and “Real Time Adjusted Net Interchange for Charge Allocation”. Added new sections; “15-Minute CTS Location” and “Subaccount Section – CTS Location”. Update: In both the “Customer Section” and the “Subaccount Section” the column heading “Schedule Imports” was changed to “Scheduled Imports”.</p>	12.15.2015
<p><b>Modified.</b> Added new "Subaccount" section.</p>	06.13.2014
<p><b>Modified.</b> New columns "Real Time Internal Bilateral For Market Purchases Impacting MLRLO", "Real Time Internal Bilateral For Market Sales Impacting MLRLO", and "Marginal Loss Revenue Load Obligation (MLRLO)", following existing column "Real Time Loss Charge/Credit", will be reported blank for any resettlement of operating day prior to January 1, 2011.</p>	01.01.2011