MSRS Report Updates - Reserves

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Market Settlements Subcommittee

December 13, 2022

- 2 existing reports updated:
    - Balancing Synchronized Reserve Credits
        - Add additional column RT Synch Reserve LOC Deviation MW to assist with RT Synch Reserve Opportunity Cost calculation
    - Balancing Secondary Reserve Credits
        - Add additional column RT Sec Reserve LOC Deviation MW to assist with RT Sec Reserve Opportunity Cost calculation
- 1 new report:
    - Secondary Reserve Load Reconciliation Charge Summary
        - Reports organization's Secondary Reserve Load Reconciliation Charge

- Add additional column RT Synch Reserve LOC Deviation MW

Online and CSV Column Name	XML Column Name	Column Number	Data Type
RT Synch Reserve LOC Deviation MW	RT_SYNC_LOC_DEV_MW	2360.69	NUMBER

- Updated calculation for RT Synch Reserve Opportunity Cost for non-hydro non-condensing resources:

For all other generation resources:

If RT Synch Reserve Max MW – RT LMP Desired MW >= RT Synch Reserve Capped PJM Scheduled MW then 0

Else

RT Synch Reserve Opportunity Cost = {(RT LMP * RT Synch Reserve LOC Deviation MW) – RT Energy Offer Amount} / 12

2360.58 = {(3000.24 * 2360.69) – 3001.88} / 12

- Add additional column RT Synch Reserve LOC Deviation MW

Online and CSV Column Name	XML Column Name	Column Number	Data Type
RT Sec Reserve LOC Deviation MW	RT_SECR_LOC_DEV_MW	2361.27	NUMBER

- Updated calculation for RT Sec Reserve Opportunity Cost for non-hydro non-condensing resources:

For all other generation resources:

If RT Settlement Revenue MW <= 0 then:

RT Sec Reserve Opportunity Cost = 0

else

If RT Sec Reserve Max MW – RT LMP Desired MW – Total Resource RT Synch Reserve MW >= RT Sec Reserve Capped MW then:

RT Sec Reserve Opportunity Cost = 0

else

RT Sec Reserve Opportunity Cost = {(RT LMP * RT Sec Reserve LOC Deviation MW) – RT Energy Offer Amount} / 12

2361.16 = {(3000.24 * 2361.27 – 2367.12]) – 3001.88} / 12

- Supports BLI 1471 – Load Reconciliation for Secondary Reserve
- Details an organization's load reconciliation energy and calculated secondary reserve load reconciliation charge for each applicable hour in the associated billing month

The following columns will appear in the body of the report:

Online and CSV Column Name	XML Column Name	Column Number	Data Type
Customer ID	CUSTOMER_ID	4000.01	INTEGER
Customer Code	CUSTOMER_CODE	4000.02	VARCHAR2(6)
Billing Month	BILLING_MONTH	4000.03	DATE (Month, YYYY (ex. January, 2007) in online and CSV formats, YYYY-MM in XML format)
EPT Hour Ending	EPT_HOUR_ENDING	4000.05	VARCHAR2(40) mm/dd/yyyy HH24 format (Displays first hour of the day as hour 1 and last hour of the day as hour 24)
GMT Hour Ending	GMT_HOUR_ENDING	4000.06	VARCHAR2(40) mm/dd/yyyy HH24 format (Displays first hour of the day as hour 1 and last hour of the day as hour 00 of the following day)
Subzone	SUBZONE	4000.34	VARCHAR2(50) See possible values below
Load Reconciliation Energy (MWh)	LOAD_RECON_ENERGY	3000.68	NUMBER(22,3)
Secondary Reserve Load Reconciliation Billing Determinant ($/MWh)	SECRES_LOAD_RECON_BD	1471.10	NUMBER(22,6)
Secondary Reserve Load Reconciliation Charge ($)	SECRES_LOAD_RECON_CH	1471.01	NUMBER(22,4)
Version	VERSION	4000.07	VARCHAR2(12)

- Existing Synchronized Reserve Load Reconciliation Charge Summary and Non-Synchronized Reserve Load Reconciliation Charge Summary will have additional Reserve Zone/Subzone combinations possible.

- Updated data combinations for billing months 12/1/2022 and forward:

Reserve Zone	Subzone
RTO	PJM RTO
RTO	PJM Mid Atlantic Dominion (MAD)
RTO	Non PJM Mid Atlantic Dominion (MAD)
RTO	PJM Baltimore Pepco Dominion (BPD)
RTO	Non PJM Baltimore Pepco Dominion (BPD)

- Pardot communication will be sent detailing full documentation availability on PJM.com and targeted release schedule.

- Send any questions to mss@pjm.com

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