



Reserve Price Formation: MSRS Report Details

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- Original [overview](#) given at June 14 2022 MSS meeting.
- Updates since:
 - Still plan to terminate reports designated for termination from original presentation.
 - Create separate day-ahead credit details reports.
 - Combine generation unit and load response resource data into same reports for credits.
 - Provide detail reports for Market Revenue Neutrality Offset.

- Create 12 new reports:
 - Day-ahead Non-Synchronized Reserve Credits
 - Balancing Non-Synchronized Reserve Credits
 - Non-Synchronized Reserve Charges
 - Day-ahead Secondary Reserve Credits
 - Balancing Secondary Reserve Credits
 - Secondary Reserve Charges
 - Day-ahead Synchronized Reserve Credits
 - Balancing Synchronized Reserve Credits
 - Synchronized Reserve Charges
 - Market Revenue Neutrality Increased Revenue Details
 - Market Revenue Neutrality Offset Details
 - Reserve Market Summary

- Update 2 reports and rename 1 report:
 - Update Generator Credit Summary report to add in Day-ahead / Balancing clearing price columns and Secondary Reserve details and drop DASR clearing price column.
 - Update Generator Credit Portfolio Summary report to add in Day-ahead / Balancing clearing price columns and Secondary Reserve details and DASR clearing price column.
 - Rename Synchronized Reserve Tier 2 Retroactive Penalty Charges to Synchronized Reserve Retroactive Penalty Charges and drop specific Tier 2 designations from report columns.



Day-ahead Non-Synchronized Reserve Credits

- Supports BLI 2368 – Day-ahead Non-Synchronized Reserve Credit.
- Details a resource’s day-ahead non-synchronized reserve clearing price credit.

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)
EPT Hour Ending	EPT_HOUR_ENDING	4000.05	VARCHAR2(40)
GMT Hour Ending	GMT_HOUR_ENDING	4000.06	VARCHAR2(40)
Market Resource ID	MRKT_RESRC_ID	4001.16	NUMBER(15,0)
Market Resource Name	MRKT_RESRC_NAME	4001.17	VARCHAR2(60)
Market Resource Type	MRKT_RESRC_TYPE	4001.18	VARCHAR2(10)
Resource Ownership Share	RESRC_OWN_SHARE	4001.19	NUMBER
Subzone	SUBZONE	4000.34	VARCHAR2(30)
DA NSRMCP (\$/MWh)	DA_NSRMCP	2368.11	NUMBER
DA Non-Synch Reserve MW	DA_NSR_MW	2368.12	NUMBER
DA NSRMCP Credit (\$)	DA_NSRMCP_CR	2368.13	NUMBER
Version	VERSION	4000.07	VARCHAR2(12)



Balancing Non-Synchronized Reserve Credits

- Supports BLI 2362 – Balancing Non-Synchronized Reserve Credit.
- Details a resource’s balancing non-synchronized reserve clearing price credit and lost opportunity cost credit.

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)
EPT Interval Ending	EPT_INTERVAL_ENDING	4001.40	VARCHAR2(40)
GMT Interval Ending	GMT_INTERVAL_ENDING	4001.41	VARCHAR2(40)
Market Resource ID	MRKT_RESRC_ID	4001.16	NUMBER(15,0)
Market Resource Name	MRKT_RESRC_NAME	4001.17	VARCHAR2(60)
Market Resource Type	MRKT_RESRC_TYPE	4001.18	VARCHAR2(10)
Resource Ownership Share	RESRC_OWN_SHARE	4001.19	NUMBER
Subzone	SUBZONE	4000.34	VARCHAR2(30)
DA Non-Synch Reserve MW	DA_NSR_MW	2368.12	NUMBER
DA NSRMCP Credit (\$)	DA_NSRMCP_CR	2368.13	NUMBER
RT Non-Synch Reserve MW	RT_NSR_MW	2362.25	NUMBER
RT NSRMCP (\$/MWh)	RT_NSRMCP	3001.72	NUMBER
Bal NSRMCP Credit (\$)	BAL_NSRMCP_CR	2362.26	NUMBER
Non-Synch Reserve Opportunity Cost Credit Owed (\$)	NSR_OPP_COST_CR_OWED	2362.27	NUMBER
Non-Synch Reserve MRN Offset (\$)	NSR_MRN_OFFSET	2362.28	NUMBER
Non-Synch Reserve Lost Opportunity Cost Credit (\$)	NSR_LOC_CR	2362.29	NUMBER
Version	VERSION	4000.07	VARCHAR2(12)



Non-Synchronized Reserve Charges

- Supports BLI 1362 – Non-Synchronized Reserve Charge.
- Details an organization’s non-synchronized reserve clearing price charge and lost opportunity cost charge.

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)
EPT Hour Ending	EPT_HOUR_ENDING	4000.05	VARCHAR2(40)
GMT Hour Ending	GMT_HOUR_ENDING	4000.06	VARCHAR2(40)
Subzone	SUBZONE	4000.34	VARCHAR2(30)
Total Subzone Assigned RT Non-Synch Reserve MW	TOT_SZ_RT_NSR_MW	1362.22	NUMBER
RT Non-Synch Reserve Load (MWh)	RT_NONSYNCHRES_LOAD	1362.11	NUMBER
Total Subzone RT Non-Synch Reserve Load (MWh)	TOT_SZ_RT_NSR_LOAD	1362.12	NUMBER
Non-Synch Reserve Obligation (MWh)	NONSYNCHRES_OBL_MWH	1362.13	NUMBER
Bilateral Non-Synch Reserve Sales (MWh)	BILAT_NSR_SALES	1362.14	NUMBER
Bilateral Non-Synch Reserve Purchases (MWh)	BILAT_NSR_PURCHASES	1362.15	NUMBER
Adjusted Non-Synch Reserve Obligation (MWh)	NONSYNCHRES_ADJ_OBL_MWH	1362.16	NUMBER
Total Subzone Non-Synch Reserve Obligation (MWh)	TOT_SZ_NONSYNCHRES_OBL	1362.20	NUMBER
Total Subzone DA NSRMCP Credits (\$)	TOT_SZ_DA_NSRMCP_CR	1362.23	NUMBER
Total Subzone Bal NSRMCP Credits (\$)	TOT_SZ_BAL_NSRMCP_CR	1362.24	NUMBER
NSRMCP Charge (\$)	NSRMCP_CH	1362.01	NUMBER
Non-Synch Reserve Purchases (MWh)	NONSYNCHRES_PUR	1362.17	NUMBER
Total Subzone Non-Synch Reserve Purchases (MWh)	TOT_SZ_NSR_PURCHASES	1362.18	NUMBER
Total Subzone Non-Synch Reserve LOC Credits (\$)	TOT_SZ_NSR_LOC_CR	1362.25	NUMBER
Non-Synch Reserve Lost Opportunity Cost Charge (\$)	NONSYNCHRES_LOC_CH	1362.02	NUMBER
Version	VERSION	4000.07	VARCHAR2(12)



Day-ahead Secondary Reserve Credits

- Supports BLI 2367 – Day-Ahead Secondary Reserve Credit
- Details a resource’s day-ahead secondary reserve clearing price credit and day-ahead opportunity cost.

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)
EPT Hour Ending	EPT_HOUR_ENDING	4000.05	VARCHAR2(40)
GMT Hour Ending	GMT_HOUR_ENDING	4000.06	VARCHAR2(40)
Market Resource ID	MRKT_RESRC_ID	4001.16	NUMBER(15,0)
Market Resource Name	MRKT_RESRC_NAME	4001.17	VARCHAR2(60)
Market Resource Type	MRKT_RESRC_TYPE	4001.18	VARCHAR2(10)
Resource Ownership Share	RESRC_OWN_SHARE	4001.19	NUMBER
Subzone	SUBZONE	4000.34	VARCHAR2(30)
DA SECRMCP (\$/MWh)	DA_SECRMCP	3001.73	NUMBER
DA Sec Reserve PJM Scheduled MW	DA_SECR_MW	2367.12	NUMBER
DA SECRMCP Credit (\$)	DA_SECRMCP_CR	2367.13	NUMBER
DA LMP (\$/MWh)	DA_LMP	3000.24	NUMBER
DA LMP Desired MW	DA_LMP_DES_MW	3001.85	NUMBER
DA Scheduled Energy MW	DA_SCHED_ENERGY_MW	3001.86	NUMBER
DA Energy Offer Amount (\$)	DA_ENERGY_OFFER_AMT	3001.87	NUMBER
Total Resource DA Synch Reserve MW	TOT_RESRC_DA_SYNC_MW	2366.16	NUMBER
DA Condenser Energy Use (MWh)	DA_COND_ENERGY_MW	3001.95	NUMBER
DA Condenser Energy Use Cost (\$)	DA_COND_ENERGY_COST	3001.96	NUMBER
DA Condenser Startup Cost (\$)	DA_COND_STARTUP_COST	3001.97	NUMBER
DA Sec Reserve Opportunity Cost (\$)	DA_SEC_RES_OPP_COST	2367.14	NUMBER
Version	VERSION	4000.07	VARCHAR2(12)



Balancing Secondary Reserve Credits

- Supports BLI 2361 – Balancing Secondary Reserve Credit.
- Detail's a resources balancing secondary reserve clearing price credit and lost opportunity cost credit.

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)
EPT Interval Ending	EPT_INTERVAL_ENDING	4001.40	VARCHAR2(40)
GMT Interval Ending	GMT_INTERVAL_ENDING	4001.41	VARCHAR2(40)
Market Resource ID	MRKT_RESRC_ID	4001.16	NUMBER(15,0)
Market Resource Name	MRKT_RESRC_NAME	4001.17	VARCHAR2(60)
Market Resource Type	MRKT_RESRC_TYPE	4001.18	VARCHAR2(10)
Resource Ownership Share	RESRC_OWN_SHARE	4001.19	NUMBER
Subzone	SUBZONE	4000.34	VARCHAR2(30)
DA Sec Reserve PJM Scheduled MW	DA_SECR_MW	2367.12	NUMBER
DA SECRMCP Credit (\$)	DA_SECRMCP_CR	2367.13	NUMBER
RT Sec Reserve PJM Scheduled MW	RT_SECR_SCHED_MW	2361.11	NUMBER
RT Sec Reserve PJM Added MW	RT_SECR_ADDED_MW	2361.12	NUMBER
RT Settlement Revenue MW	RT_SET_REV_MW	3003.31	NUMBER
Total Resource RT Synch Reserve MW	TOT_RESRC_RT_SYNC_MW	2360.62	NUMBER
RT Economic Max MW	RT_ECO_MAX_MW	3003.33	NUMBER
RT Sec Reserve Max MW	RT_SEC_RES_MAX_MW	3003.34	NUMBER
RT Sec Reserve Capped MW	RT_SEC_RES_CAP_MW	2361.13	NUMBER
Sec Reserve Shortfall MW	SEC_RES_SF_MW	2361.14	NUMBER

RT SECRMCP (\$/MWh)	RT_SECRMCP	3000.62	NUMBER
Bal SECRMCP Credit (\$)	BAL_SECRMCP_CR	2361.15	NUMBER
RT LMP (\$/MWh)	RT_LMP	3000.25	NUMBER
RT LMP Desired MW	RT_LMP_DESIRED_MW	3000.35	NUMBER
RT Energy Offer Amount (\$)	RT_ENERGY_OFFER_AMT	3001.88	NUMBER
Hydro Spill Indicator	HYDRO_SPILL_INDICATOR	4000.67	VARCHAR2(2)
Hydro Average LMP	HYDRO_AVG_LMP	3003.35	NUMBER
RT Condenser Energy Use (MWh)	RT_COND_ENERGY_MW	3003.36	NUMBER
RT Condenser Energy Use Cost (\$)	RT_COND_ENERGY_COST	3003.37	NUMBER
RT Condenser Startup Cost (\$)	RT_COND_STARTUP_COST	3003.38	NUMBER
DA Sec Reserve Opportunity Cost (\$)	DA_SEC_RES_OPP_COST	2367.14	NUMBER
RT Sec Reserve Opportunity Cost (\$)	RT_SEC_RES_OPP_COST	2361.16	NUMBER
Sec Reserve Opportunity Cost Credit Owed (\$)	SECR_OPP_COST_CR_OWED	2361.17	NUMBER
Sec Reserve MRN Offset (\$)	SECR_MRN_OFFSET	2361.18	NUMBER
Sec Reserve Lost Opportunity Cost Credit (\$)	SEC_RES_LOC_CR	2361.19	NUMBER
Version	VERSION	4000.07	VARCHAR2(12)



Secondary Reserve Charges

- Supports BLI 1361 – Secondary Reserve Charge
- Details an organization’s secondary reserve clearing price charge and lost opportunity cost charge.

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)
EPT Hour Ending	EPT_HOUR_ENDING	4000.05	VARCHAR2(40)
GMT Hour Ending	GMT_HOUR_ENDING	4000.06	VARCHAR2(40)
Subzone	SUBZONE	4000.34	VARCHAR2(30)
Total Subzone Assigned RT Sec Reserve MW	TOT_SZ_RT_SECRES_MW	1361.11	NUMBER
RT Sec Reserve Load (MWh)	RT_SECRES_LOAD	1361.12	NUMBER
Total Subzone RT Sec Reserve Load (MWh)	TOT_SZ_RT_SECRES_LOAD	1361.13	NUMBER
Sec Reserve Obligation (MWh)	SECRES_OBL_MWH	1361.14	NUMBER
Bilateral Sec Reserve Sales (MWh)	BILAT_SECRES_SALES	1361.15	NUMBER
Bilateral Sec Reserve Purchases (MWh)	BILAT_SECRES_PURCHASES	1361.16	NUMBER
Adjusted Sec Reserve Obligation (MWh)	SECRES_ADJ_OBL_MWH	1361.17	NUMBER
Total Subzone Sec Reserve Obligation (MWh)	TOT_SZ_SECRES_OBL	1361.18	NUMBER
Total Subzone DA SECRMCP Credits (\$)	TOT_SZ_DA_SECRMCP_CR	1361.19	NUMBER
Total Subzone Bal SECRMCP Credits (\$)	TOT_SZ_BAL_SECRMCP_CR	1361.20	NUMBER
SECRMCP Charge (\$)	SECRMCP_CH	1361.01	NUMBER
Sec Reserve Purchases (MWh)	SECRES_PUR	1361.21	NUMBER
Total Subzone Sec Reserve Purchases (MWh)	TOT_SZ_SECRES_PURCHASES	1361.22	NUMBER
Total Subzone Sec Reserve LOC Credits (\$)	TOT_SZ_SECRES_LOC_CR	1361.23	NUMBER
Sec Reserve Lost Opportunity Cost Charge (\$)	SECRES_LOC_CH	1361.02	NUMBER
Version	VERSION	4000.07	VARCHAR2(12)



Day-ahead Synchronized Reserve Credits

- Supports BLI 2366 – Day-Ahead Synchronized Reserve Credit
- Details a resource’s day-ahead synchronized reserve clearing price credit and day-ahead opportunity cost.

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)
EPT Hour Ending	EPT_HOUR_ENDING	4000.05	VARCHAR2(40)
GMT Hour Ending	GMT_HOUR_ENDING	4000.06	VARCHAR2(40)
Market Resource ID	MRKT_RESRC_ID	4001.16	NUMBER(15,0)
Market Resource Name	MRKT_RESRC_NAME	4001.17	VARCHAR2(60)
Market Resource Type	MRKT_RESRC_TYPE	4001.18	VARCHAR2(10)
Resource Ownership Share	RESRC_OWN_SHARE	4001.19	NUMBER
Subzone	SUBZONE	4000.34	VARCHAR2(30)
DA SRMCP (\$/MWh)	DA_SRMCP	3001.74	NUMBER
DA Synch Reserve Self-Scheduled MW	DA_SYNC_SELF_MW	2366.11	NUMBER
DA Synch Reserve PJM Scheduled MW	DA_SYNC_PJM_MW	2366.12	NUMBER
DA SRMCP Credit (\$)	DA_SRMCP_CR	2366.13	NUMBER
DA LMP (\$/MWh)	DA_LMP	3000.24	NUMBER
DA LMP Desired MW	DA_LMP_DES_MW	3001.85	NUMBER
DA Scheduled Energy MW	DA_SCHED_ENERGY_MW	3001.86	NUMBER
DA Synch Reserve Offer Amount (\$)	DA_SYNC_OFFER_AMT	2366.14	NUMBER
DA Energy Offer Amount (\$)	DA_ENERGY_OFFER_AMT	3001.87	NUMBER
DA Condenser Energy Use (MWh)	DA_COND_ENERGY_MW	3001.95	NUMBER
DA Condenser Energy Use Cost (\$)	DA_COND_ENERGY_COST	3001.96	NUMBER
DA Condenser Startup Cost (\$)	DA_COND_STARTUP_COST	3001.97	NUMBER
DA Synch Reserve Opportunity Cost (\$)	DA_SYNC_RES_OPP_COST	2366.15	NUMBER
Version	VERSION	4000.07	VARCHAR2(12)



Balancing Synchronized Reserve Credits

- Supports BLI 2360 – Balancing Synchronized Reserve Credit
- Details a resource’s balancing synchronized reserve clearing price credit and lost opportunity cost credit.

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)
EPT Interval Ending	EPT_INTERVAL_ENDING	4001.40	VARCHAR2(40)
GMT Interval Ending	GMT_INTERVAL_ENDING	4001.41	VARCHAR2(40)
Market Resource ID	MRKT_RESRC_ID	4001.16	NUMBER(15,0)
Market Resource Name	MRKT_RESRC_NAME	4001.17	VARCHAR2(60)
Market Resource Type	MRKT_RESRC_TYPE	4001.18	VARCHAR2(10)
Resource Ownership Share	RESRC_OWN_SHARE	4001.19	NUMBER
Subzone	SUBZONE	4000.34	VARCHAR2(30)
Total DA Synch Reserve MW	TOT_DA_SYNC_MW	2366.16	NUMBER
DA SRMCP Credit (\$)	DA_SRMCP_CR	2366.13	NUMBER
RT Synch Reserve Self-Scheduled MW	RT_SYNC_SELF_MW	2360.50	NUMBER
RT Synch Reserve PJM Scheduled MW	RT_SYNC_SCHED_MW	2360.51	NUMBER
RT Synch Reserve PJM Added MW	RT_SYNC_ADDED_MW	2360.52	NUMBER
RT Synch Reserve Shortfall MW	RT_SYNC_SHORTFALL_MW	2360.53	NUMBER
RT Settlement Revenue MW	RT_SET_REV_MW	3003.31	NUMBER
RT Economic Max MW	RT_ECO_MAX_MW	3003.33	NUMBER
RT Synch Reserve Max MW	RT_SYNC_RES_MAX_MW	3003.39	NUMBER
RT Synch Reserve Capped Self-Scheduled MW	RT_SYNC_CAP_SELF_MW	2360.54	NUMBER

RT Synch Reserve Capped PJM Scheduled MW	RT_SYNC_CAP_PJM_MW	2360.55	NUMBER
RT SRMCP (\$/MWh)	RT_SRMCP	3000.60	NUMBER
Bal SRMCP Credit (\$)	BAL_SRMCP_CR	2360.56	NUMBER
RT LMP (\$/MWh)	RT_LMP	3000.25	NUMBER
RT LMP Desired MW	RT_LMP_DESIRED_MW	3000.35	NUMBER
RT Energy Offer Amount (\$)	RT_ENERGY_OFFER_AMT	3001.88	NUMBER
DA Synch Reserve Offer Amount	DA_SYNC_OFFER_AMT	2366.14	NUMBER
RT Synch Reserve Offer Amount (\$)	RT_SYNC_OFFER_AMT	2360.57	NUMBER
Hydro Spill Indicator	HYDRO_SPILL_INDICATOR	4000.67	VARCHAR2(2)
Hydro Average LMP	HYDRO_AVG_LMP	3003.35	NUMBER
RT Condenser Energy Use (MWh)	RT_COND_ENERGY_MW	3003.36	NUMBER
RT Condenser Energy Use Cost (\$)	RT_COND_ENERGY_COST	3003.37	NUMBER
RT Condenser Startup Cost (\$)	RT_COND_STARTUP_COST	3003.38	NUMBER
DA Synch Reserve Opportunity Cost (\$)	DA_SYNC_OPP_COST	2366.15	NUMBER
RT Synch Reserve Opportunity Cost (\$)	RT_SYNC_OPP_COST	2360.58	NUMBER
Synch Reserve Opportunity Cost Credit Owed (\$)	SYNC_OPP_COST_CR_OWED	2360.59	NUMBER
Synch Reserve MRN Offset (\$)	SYNC_MRN_OFFSET	2360.60	NUMBER
Synch Reserve Lost Opportunity Cost Credit (\$)	SYNC_LOC_CR	2360.61	NUMBER
Version	VERSION	4000.07	VARCHAR2(12)



Synchronized Reserve Charges

- Supports BLI 1360 – Secondary Reserve Charge
- Details an organization’s synchronized reserve clearing price charge, lost opportunity cost charge, and retroactive penalty charge.

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)
EPT Hour Ending	EPT_HOUR_ENDING	4000.05	VARCHAR2(40)
GMT Hour Ending	GMT_HOUR_ENDING	4000.06	VARCHAR2(40)
Subzone	SUBZONE	4000.34	VARCHAR2(30)
Total Subzone Assigned RT Synch Reserve MW	TOT_SZ_RT_SYNC_MW	1360.62	NUMBER
RT Synch Reserve Load (MWh)	RT_SYNC_LOAD	1360.63	NUMBER
Total Subzone RT Synch Reserve Load (MWh)	TOT_SZ_RT_SYNC_LOAD	1360.64	NUMBER
Synch Reserve Obligation (MWh)	SYNC_OBL_MWH	1360.65	NUMBER
Bilateral Synch Reserve Sales (MWh)	BILAT_SYNC_SALES	1360.66	NUMBER
Bilateral Synch Reserve Purchases (MWh)	BILAT_SYNC_PURCHASES	1360.67	NUMBER
Adjusted Synch Reserve Obligation (MWh)	SYNC_ADJ_OBL_MWH	1360.68	NUMBER
Total Subzone Synch Reserve Obligation (MWh)	TOT_SZ_SYNC_OBL	1360.69	NUMBER
Total Subzone DA SRMCP Credits (\$)	TOT_SZ_DA_SRMCP_CR	1360.70	NUMBER
Total Subzone Bal SRMCP Credits (\$)	TOT_SZ_BAL_SRMCP_CR	1360.71	NUMBER
SRMCP Charge (\$)	SRMCP_CH	1360.05	NUMBER
Synch Reserve Purchases (MWh)	SYNCH_RES_PURCHASES	1360.15	NUMBER
Total Subzone Synch Reserve Purchases (MWh)	TOT_SZ_SYNC_PURCHASES	1360.72	NUMBER
Total Subzone Synch Reserve LOC Credits (\$)	TOT_SZ_SYNC_LOC_CR	1360.73	NUMBER
Synch Reserve Lost Opportunity Cost Charge (\$)	SECRES_LOC_CH	1360.06	NUMBER
Retroactive Penalty Obligation (MWh)	RETRO_PEN_OBL	1360.34	NUMBER
Total Retroactive Penalty Obligation (MWh)	TOT_RETRO_PEN_OBL	1360.35	NUMBER
Total Retroactive Penalty Charge (\$)	TOT_RETRO_PEN_CH	1360.36	NUMBER
Retroactive Penalty Charge (\$)	RETRO_PEN_CH	1360.07	NUMBER
Version	VERSION	4000.07	VARCHAR2(12)



Market Revenue Neutrality Increased Revenue Details

- Details a resource's available revenue for use in market revenue neutrality offset from increases in RT market from DA market.

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)
EPT Interval Ending	EPT_INTERVAL_ENDING	4001.40	VARCHAR2(40)
GMT Interval Ending	GMT_INTERVAL_ENDING	4001.41	VARCHAR2(40)
Market Resource ID	MRKT_RESRC_ID	4001.16	NUMBER(15,0)
Market Resource Name	MRKT_RESRC_NAME	4001.17	VARCHAR2(60)
Market Resource Type	MRKT_RESRC_TYPE	4001.18	VARCHAR2(10)
Increased Energy MW	INC_ENERGY_MW	3003.40	NUMBER
Bal Energy Revenue (\$)	BAL_ENERGY_REV	3003.41	NUMBER
Incremental Energy Cost from Increased MW (\$)	INC_ENERGY_COST	3003.42	NUMBER
MRN Energy Value (\$)	MRN_ENERGY_VAL	3003.43	NUMBER
Increased Synch Reserve MW	INC_SYNC_MW	2360.62	NUMBER
Bal Synch Reserve Revenue (\$)	BAL_SYNC_REV	2360.63	NUMBER
Synch Reserve Cost from Increased MW (\$)	INC_SYNC_COST	2360.64	NUMBER
Synch Reserve Cost above DA Revenue (\$)	SYNC_COST_ABOVE_DA	2360.65	NUMBER
MRN Synch Reserve Value (\$)	MRN_SYNC_VAL	2360.66	NUMBER
Increased Non-Synch Reserve MW	INC_NSR_MW	2362.31	NUMBER
Bal Non-Synch Reserve Revenue (\$)	BAL_NSR_REV	2362.32	NUMBER
Non-Synch Reserve Cost from increased MW (\$)	INC_NSR_COST	2362.33	NUMBER
Non-Synch Reserve Cost above DA Revenue (\$)	NSR_COST_ABOVE_DA	2362.34	NUMBER
MRN Non-Synch Reserve Value (\$)	MRN_NSR_VAL	2362.35	NUMBER
Increased Sec Reserve MW	INC_SECR_MW	2361.21	NUMBER
Bal Sec Reserve Revenue (\$)	BAL_SECR_VAL	2361.22	NUMBER
Sec Reserve Cost from increased MW (\$)	INC_SECR_COST	2361.23	NUMBER
Sec Reserve Cost above DA revenue (\$)	SECR_COST_ABOVE_DA	2361.24	NUMBER
MRN Sec Reserve Value (\$)	MSRN_SECR_VAL	2361.25	NUMBER
Version	VERSION	4000.07	VARCHAR2(12)



Market Revenue Neutrality Offset Details

- Details an resource's opportunity cost credit owed or market revenue neutrality offset allocation for eligible reserve markets.

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)
EPT Interval Ending	EPT_INTERVAL_ENDING	4001.40	VARCHAR2(40)
GMT Interval Ending	GMT_INTERVAL_ENDING	4001.41	VARCHAR2(40)
Market Resource ID	MRKT_RESRC_ID	4001.16	NUMBER(15,0)
Market Resource Name	MRKT_RESRC_NAME	4001.17	VARCHAR2(60)
Market Resource Type	MRKT_RESRC_TYPE	4001.18	VARCHAR2(10)
Opportunity Cost Credit Eligible	OPP_COST_CR_ELIG	3003.44	VARCHAR2(2)
Violation Type ID	VIOLATION_TYPE_ID	3003.45	NUMBER
Total MRN Revenue for Allocation (\$)	TOT_MRN_REV	3003.46	NUMBER
Synch Reserve LOC Credit due to reduction (\$)	SYNC_LOC_CR_REDUCE	2360.67	NUMBER
Non-Synch Reserve LOC Credit due to reduction (\$)	NSR_LOC_CR_REDUCE	2362.36	NUMBER
Sec Reserve LOC Credit due to reduction (\$)	SECR_LOC_CR_REDUCE	2361.26	NUMBER
Synch Reserve Opportunity Cost Credit Owed (\$)	SYNC_OPP_COST_CR_OWED	2360.59	NUMBER
Non-Synch Reserve Opportunity Cost Credit Owed (\$)	NSR_OPP_COST_CR_OWED	2362.27	NUMBER
Sec Reserve Opportunity Cost Credit Owed (\$)	SECR_OPP_COST_CR_OWED	2361.17	NUMBER
Synch Reserve MRN Offset (\$)	SYNC_MRN_OFFSET	2360.60	NUMBER
Non-Synch Reserve MRN Offset (\$)	NSR_MRN_OFFSET	2362.28	NUMBER
Sec Reserve MRN Offset (\$)	SECR_MRN_OFFSET	2361.18	NUMBER
Version	VERSION	4000.07	VARCHAR2(12)



Reserve Market Summary

- Provides an overview of an organization's daily reserve market activity.

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)
Date	DATE	4000.04	DATE
SRMCP Charge (\$)	SRMCP_CH	1360.05	NUMBER(22,2)
Synch Reserve Lost Opportunity Cost Charge (\$)	SYNC_LOC_CH	1360.06	NUMBER(22,2)
Retroactive Penalty Charge (\$)	RETRO_PEN_CH	1360.07	NUMBER(22,2)
NSRMCP Charge (\$)	NSRMCP_CH	1362.01	NUMBER(22,2)
Non-Synch Reserve Lost Opportunity Cost Charge (\$)	NONSYNCHRES_LOC_CH	1362.02	NUMBER(22,2)
SECRMCP Charge (\$)	SECRMCP_CH	1361.01	NUMBER(22,2)
Sec Reserve Lost Opportunity Cost Charge (\$)	SECRES_LOC_CH	1361.01	NUMBER(22,2)
DA SRMCP Credit (\$)	DA_SRMCP_CR	2366.01	NUMBER(22,2)
Bal SRMCP Credit (\$)	BAL_SRMCP_CR	2360.01	NUMBER(22,2)
Synch Reserve Lost Opportunity Cost Credit (\$)	SYNC_RES_LOC_CR	2360.02	NUMBER(22,2)
DA NSRMCP Credit (\$)	DA_NSRMCP_CR	2368.01	NUMBER(22,2)
Bal NSRMCP Credit (\$)	BAL_NSRMCP_CR	2362.01	NUMBER(22,2)
Non-Synch Reserve Lost Opportunity Cost Credit (\$)	NSR_LOC_CR	2362.02	NUMBER(22,2)
DA SECRMCP Credit (\$)	DA_SECRMCP_CR	2367.01	NUMBER(22,2)
Bal SECRMCP Credit (\$)	BAL_SECRMCP_CR	2361.01	NUMBER(22,2)
Sec Reserve Lost Opportunity Cost Credit (\$)	SEC_RES_LOC_CR	2361.02	NUMBER(22,2)
Version	VERSION	4000.07	VARCHAR2(12)



Generator Credit Summary

- Add Day-ahead and Balancing clearing price credits for Synchronized Reserve, Non-Synchronized Reserve, and Secondary Reserve. Add Lost Opportunity Cost Credit for Secondary reserve.
- Remove DASR Credit column.

Online and CSV Column Name	XML Column Name	Column Number	Data Type
DASR Credit (\$)	DASR_CREDIT	2365.11	Number(22,2)
DA SRMCP Credit (\$)	DA_SRMCP_CR	2366.13	NUMBER(22,2)
Bal SRMCP Credit (\$)	BAL_SRMCP_CR	2360.55	NUMBER(22,2)
Synch Reserve Lost Opportunity Cost Credit (\$)	SYNC_RES_LOC_CR	2360.61	NUMBER(22,2)
DA NSRMCP Credit (\$)	DA_NSARMCP_CR	2368.13	NUMBER(22,2)
Bal NSRMCP Credit (\$)	BAL_NSARMCP_CR	2362.26	NUMBER(22,2)
Non-Synch Reserve Lost Opportunity Cost Credit (\$)	NSR_LOC_CR	2362.29	NUMBER(22,2)
DA SECRMCP Credit (\$)	DA_SECRMCP_CR	2367.13	NUMBER(22,2)
Bal SECRMCP Credit (\$)	BAL_SECRMCP_CR	2361.15	NUMBER(22,2)
Sec Reserve Lost Opportunity Cost Credit (\$)	SEC_RES_LOC_CR	2361.19	NUMBER(22,2)



Generator Portfolio Credit Summary

- Add Day-ahead and Balancing clearing price credits for Synchronized Reserve, Non-Synchronized Reserve, and Secondary Reserve. Add Lost Opportunity Cost Credit for Secondary reserve.
- Remove DASR Credit column.

Online and CSV Column Name	XML Column Name	Column Number	Data Type
DASR Credit (\$)	DASR_CREDIT	2365.01	Number(22,2)
DA SRMCP Credit (\$)	DA_SRMCP_CR	2366.01	NUMBER(22,2)
Bal SRMCP Credit (\$)	BAL_SRMCP_CR	2360.01	NUMBER(22,2)
Synch Reserve Lost Opportunity Cost Credit (\$)	SYNC_RES_LOC_CR	2360.02	NUMBER(22,2)
DA NSRMCP Credit (\$)	DA_NSRMCP_CR	2368.01	NUMBER(22,2)
Bal NSRMCP Credit (\$)	BAL_NSRMCP_CR	2362.01	NUMBER(22,2)
Non-Synch Reserve Lost Opportunity Cost Credit (\$)	NSR_LOC_CR	2362.02	NUMBER(22,2)
DA SECRMCP Credit (\$)	DA_SECRMCP_CR	2367.01	NUMBER(22,2)
Bal SECRMCP Credit (\$)	BAL_SECRMCP_CR	2361.01	NUMBER(22,2)
Sec Reserve Lost Opportunity Cost Credit (\$)	SEC_RES_LOC_CR	2361.02	NUMBER(22,2)
Version	VERSION	4000.07	VARCHAR2(12)



Synchronized Reserve Retroactive Penalty Charges

- Rename from Synchronized Reserve Tier 2 Retroactive Penalty Charges.
- Update SRMCP to RT SRMCP
- Update Tier 2 Retroactive Penalty Charge to Retroactive Penalty Charge

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)
Synch Reserve Event Day	SR_EVENT_DAY	4001.35	DATE
EPT Interval Ending	EPT_INTERVAL_ENDING	4001.40	VARCHAR2(40)
GMT Interval Ending	GMT_INTERVAL_ENDING	4001.41	VARCHAR2(40)
Resource ID	RESOURCE_ID	4001.21	NUMBER
Resource Name	RESOURCE_NAME	4001.22	VARCHAR2(70)
Subzone	SUBZONE	4000.34	VARCHAR2(50)
Retroactive Resource Shortfall MW	RETRO_RES_SHORTFALL_MW	1360.40	NUMBER(11,3)
RT SRMCP (\$/MWh)	RT_SRMCP	3000.60	NUMBER(14,2)
Retroactive Penalty Charge (\$)	RETRO_PEN_CH	1360.07	NUMBER(22,2)
Version	VERSION	4000.07	VARCHAR2(12)

- Pardot communication will be sent detailing full documentation availability on PJM.com.
- Stay tuned to MSS for additional update timings related to Reserve Price Formation.
- Send any questions to mss@pjm.com

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