

MSRS Report Updates for ARR Deficiencies

Nick DiSciullo, Sr. Analyst

Market Settlements Development

Market Settlements Subcommittee

November 11, 2025

- If sufficient FTR Auction revenues are collected to satisfy ARR Target Allocations, then total ARR credits equal total ARR Target Allocations.
- If insufficient FTR Auction revenues are collected to satisfy ARR Target Allocations, then ARR credits are pro-rated in proportion to ARR Target Allocations which have a positive Target Allocation value.
- ARRs which have a negative Target Allocation value are assigned the full Target Allocation value as a negative ARR credit.
- If the ARR credits are pro-rated, the difference between ARR Target Allocations and ARR credits are called ARR deficiencies.
- July 2025 was the first month where an ARR deficiency occurred and resulted in MSRS reports being out of alignment with the July invoice.

- 2 existing reports updated:
 - Cross-monthly Congestion Credit Summary
 - 2 new columns added
 - ARR Planning Year-to-Date Deficiency
 - Total ARR Planning Year-to-Date Deficiency
 - ARR Target Credits
 - 1 new column added
 - ARR Credit
 - Updated column number for ARR Target Credit

Cross-monthly Congestion Credit Summary

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)
Month	MONTH	4000.03	DATE (Month, YYYY (ex. January, 2007) in online and CSV formats, YYYY-MM in XML format)
Monthly ARR Target Credit (\$)	MONTHLY_ARR_TARGET_CR	2217.14	NUMBER(22,2)
Monthly ARR Credit (\$)	MONTHLY_ARR_CR	2217.15	NUMBER(22,2)
Monthly ARR Deficiency (\$)	MONTHLY_ARR_DEFICIENCY	2217.28	NUMBER(22,2)
Total Monthly ARR Deficiency (\$)	TOT_MTH_ARR_DEF	2217.17	NUMBER(22,2)
Total Monthly ARR Excess Revenue (\$)	TOT_MTH_ARR_EXS_REV	2217.18	NUMBER(22,2)
Monthly ARR Excess Credit (\$)	MONTHLY_ARR_EXS_CR	2217.19	NUMBER(22,2)
Monthly FTR Target Credit (\$)	MONTHLY_FTR_TARGET_CR	2217.11	NUMBER(22,2)
Monthly FTR Credit (\$)	MONTHLY_FTR_CR	2217.12	NUMBER(22,2)
Monthly FTR Deficiency (\$)	MONTHLY_FTR_DEF	2217.20	NUMBER(22,2)
Total Monthly FTR Deficiency (\$)	TOT_MTH_FTR_DEF	2217.21	NUMBER(22,2)
Total Monthly PJM FTR Excess Cong Revenue (\$)	TOT_MTH_PJM_FTR_EXS_CONG_REV	2217.22	NUMBER(22,2)
Total Net ARR Excess Revenue (\$)	TOT_NET_ARR_EXS_REV	2217.23	NUMBER(22,2)
Monthly FTR Excess Credit (\$)	MTH_FTR_EXS_CR	2211.03	NUMBER(22,2)
FTR Planning Year-to-Date Deficiency (\$)	FTR_PLANNING_YTD_DEF	2217.25	NUMBER(22,2)
Total FTR Planning Year-to-Date Deficiency (\$)	TOT_FTR_PLANNING_YTD_DEF	2217.26	NUMBER(22,2)
Total FTR Planning Year-to-Date Excess Cong Revenue (\$)	TOT_FTR_PLANNING_YTD_EXS_CONG_REV	2217.27	NUMBER(22,2)
FTR Holder Excess Congestion Credit (\$)	FTR HOLDER_EXCESS_CONGESTION_CR	2211.04	NUMBER(22,2)
ARR Planning Year-to-Date Deficiency (\$)	ARR_PLANNING_YTD_DEF	2217.29	NUMBER(22,2)
Total ARR Planning Year-to-Date Deficiency (\$)	TOT_ARR_PLANNING_YTD_DEF	2217.34	NUMBER(22,2)
Version	VERSION	4000.07	VARCHAR2(12)

- Cross-monthly Congestion Credit Summary report displays the customer account's monthly ARR Target Credit, ARR Credit, ARR Deficiency, and ARR Excess Credit and FTR Target Credit, FTR Credit, FTR Deficiency, and FTR Excess Credit
- Add new column ARR Planning Year-to-Date Deficiency which represents the monthly ARR shortfall.
- Add new column Total ARR Planning Year-to-Date Deficiency which represents the running total deficiency across the planning year.

- ARR Target Credits report details the daily target credit values for all ARR of which the customer account owns a portion.
- The ARR Target Credit value represents the full congestion value of the awarded path as if it were 100% funded.
- Add new column ARR Credit (2510.01) which represents the actual settled credit, taking into account ARR/FTR market underfunding.
- Update column number of ARR Target Credit from 2510.01 to 2510.17.
 - XML Column Name will not change

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)
Date	DATE	4000.04	DATE (MM/DD/YYYY in online and CSV formats, YYYY-MM-DD in XML format)
ARR ID	ARR_ID	4000.55	NUMBER(*,0)
ARR Type	ARR_TYPE	4000.56	VARCHAR2(16) See possible values below
ARR Market Name	ARR_MARKET_NAME	4001.58	VARCHAR2(50)
Zone	ZONE	4000.32	VARCHAR2(50)
Sink Zone PNODE Name	SINK_ZONE_PNODE_NAME	4001.37	VARCHAR2(40)
Sink PNODE Name	SINK_PNODE_NAME	4000.21	VARCHAR2(40)
Source PNODE Name	SOURCE_PNODE_NAME	4000.23	VARCHAR2(40)
ARR MW	ARR_MW	3000.54	NUMBER(11,3)
ARR Rate (\$/MW per day)	ARR_RATE	2510.11	NUMBER(12,6)
ARR Ownership Share	ARR_OWNERSHIP_SHARE	3000.82	NUMBER
ARR Total Target Credit	ARR_TOTAL_TARGET_CREDIT	2510.12	NUMBER
ARR Target Credit (\$)	ARR_TARGET_CREDIT	2510.17 2510.01	NUMBER
ARR Credit (\$)	ARR_CREDIT	2510.01	NUMBER
Version	VERSION	4000.07	VARCHAR2(12)

Possible ARR Type values: PTP, PTP Residual, Network, Network Residual

- Report updates will be effective retroactive to trade date 6/1/2025.
- Sandbox release planned for December 2025
- MSRS report documentation will be posted to the MSRS Reports Web Page (<https://www.pjm.com/markets-and-operations/billing-settlements-andcredit/msrs-reports-documentation>) under the Transmission Congestion/FTR/ARR category
- Pardot communication will be distributed detailing availability of updated documentation, sandbox availability, and production release details.
- Please direct any questions related to report updates to mrkt_settlement_ops@pjm.com

SME/Presenter:

Nick DiSciullo,
nicholas.disciullo@pjm.com

Facilitator:

Susan Kenney,
susan.kenney@pjm.com

Secretary:

Sean Flamm,
sean.flamm@pjm.com

MSRS Report Updates for ARR Deficiencies



Member Hotline

(610) 666 – 8980

(866) 400 – 8980

custsvc@pjm.com

**PROTECT THE
POWER GRID
THINK BEFORE
YOU CLICK!**



Be alert to
malicious
phishing emails.

Report suspicious email activity to PJM.
(610) 666-2244 / it_ops_ctr_shift@pjm.com

