



2017-2018 Stage 1A ARR 10 Year Analysis Update

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- Purpose:
 - Update stakeholders on PJM's Stage 1A 10-Year Auction Revenue Rights (ARR) analysis

- Key Takeaways
 - PJM completed its 2017 Stage 1A 10-Year ARR analysis
 - PJM observed internal and external(M2M) infeasible facilities
 - The internal infeasible facility is expected to be mitigated through expected planning upgrades
 - The external infeasible facilities will be reviewed with the PJM and MISO interregional planning groups

- ARR (Auction Revenue Rights) are allocated to firm network and point-to-point customers because they fund the embedded costs of the transmission system
- On an annual basis:
 - PJM allocates ARRs through a multi stage process (Stage 1A, 1B, and 2)
 - PJM examines the feasibility of stage 1A ARRs for a 10-year period

Results of 10-year analysis on 2017/18 Stage 1A ARRAs:

Violation Type	Mitigation Plan
Internal	PJM Upgrades
External M2M	MISO Upgrades and Interregional Planning Efforts



Appendix I: 2017/2018 Stage 1A 10-Year ARR Results

Facility Name	Facility Type	Pseudo Tie Flowgate	First Year of Violation	Upgrade expected to fix infeasibility	Expected in-service date
EMILIE 138 KV EMI-FAL	Internal	No	1	PJM RTEP B2774: Reconductor Emilie - Falls 138 kV line	2020
Clifty Creek-Trimble County 345	Flowgate	No	1	LGEE is considering a project	Not finalized
Batesvill_Hubbl_138kV_flo_ Tanners_Creek_Miami_Fort_345kV	Flowgate	No	1	*See Below	
Cayuga 345/230 XFMR 9 (flo) Cayuga 345/230 XFMR 10	Flowgate	No	1	*See Below	
Roxana-Praxair 138 kV I/o Gary Ave-Sheffield 345 kV	Flowgate	No	1	Proposed TMEP	Not approved
Monroe-Lallendorf 345 kV I/o Lulu 345 kV Sub	Flowgate	No	1	Proposed TMEP	Not approved
6101-Hennepin 138 I/o Princetp 138 Sub	Flowgate	No	1	MTEP 7820	2017
BUNSONVL_TR1_flo_SULLIVAN_CASEY_345	Flowgate	Yes	1		
VERMILION_NCHAMPGN_138_ flo_CASEY_SULLIVAN_345	Flowgate	Yes	1		
CIN34015_CAYUGA_9P_9P	Flowgate	Yes	1		

*PJM Markets will coordinate with the PJM and MISO Interregional groups to review these constraints for consideration in future TMEP analysis and Long-term proposal windows.

- Revision History
 - V1 – 11/3/2017 – Original Version Posted to PJM.com