



# **NY-NJ PAR Coordination Metrics**

Nikki Militello Joint PJM/NYISO Meeting April 2, 2018



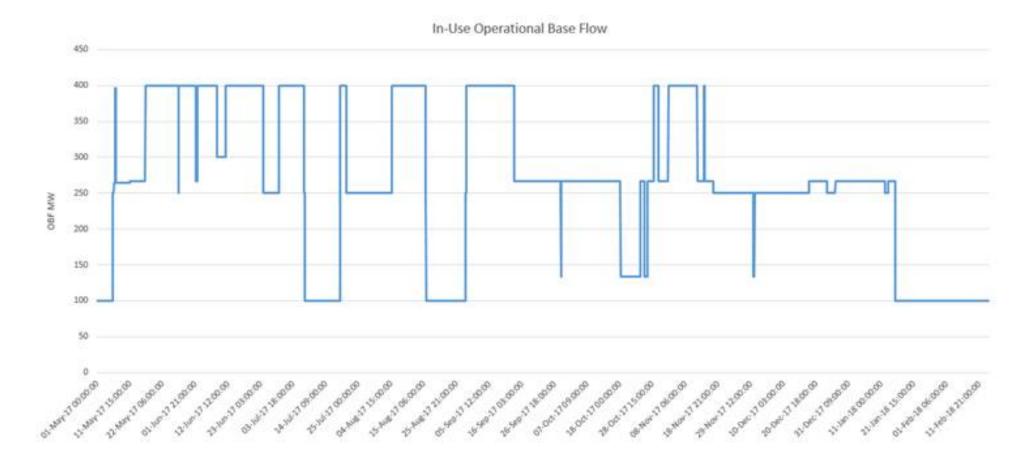


- PJM & NYISO implemented modifications to the Joint Operating Agreement (JOA) to address the NY-NJ PAR Coordination after the expiration of the PSCONED Wheel Agreement on May 1<sup>st</sup>, 2017.
- PAR Coordinated Flowgates
  - 69 NYISO Owned
  - 65 PJM Owned
- The following presentation will review various metrics since the implementation of the NY-NJ PAR Coordination Protocol.



# Operational Base Flow (OBF)





Note: The in-use OBF between the ABC and JK Interfaces were balanced since the NY-NJ PAR Coordination was put into place on 5.1.2017



# **Congested Hours**



Interface	Congested Hours PJM	Congested '+' Hours PJM	Congested '-' Hours PJM	Congested Hours NYISO	Congested '+' Hours NYISO	Congested '-' Hours NYISO
5018	194	5	189	2,750	299	2,451
ABC	195	1	194	3,150	393	2,757
JK	195	1	194	2,915	335	2,580

Note: A negative cost of congestion indicates taps in the direction of the relevant participating RTO would alleviate that RTO's congestion.

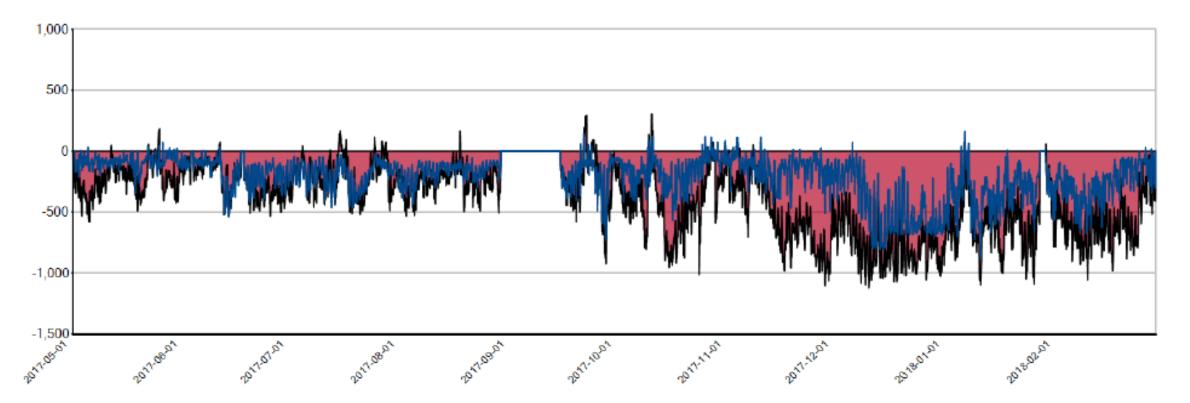


#### Performance - 5018



5018 Performance

MActual\_Flow //Target\_Flow



Note: 80% of the RECO Load is delivered via the 5018 Interface.

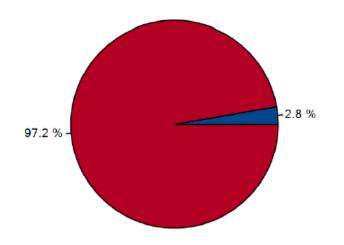


### Flow Direction - 5018



5018 Flow Direction (% of time)

NYISO PJM



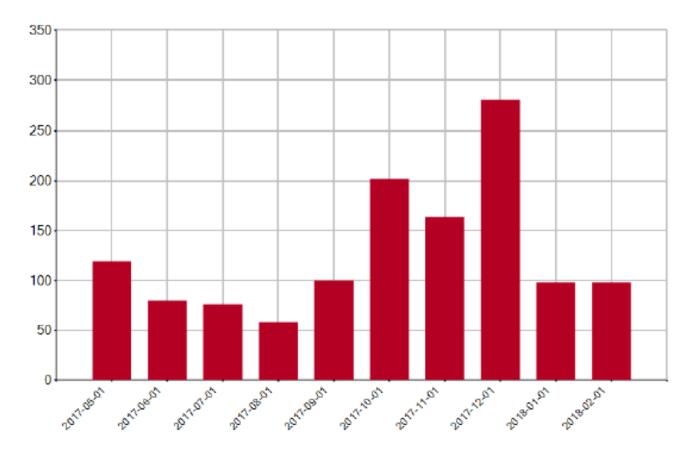
Flow into PJM	Flow into PJM	Flow into NYISO	Flow into NYISO
(Hours)	(MWh)	(Hours)	(MWh)
188	13,882	6,646	2,814,443



#### Tap Moves - 5018



5018 Tap Moves



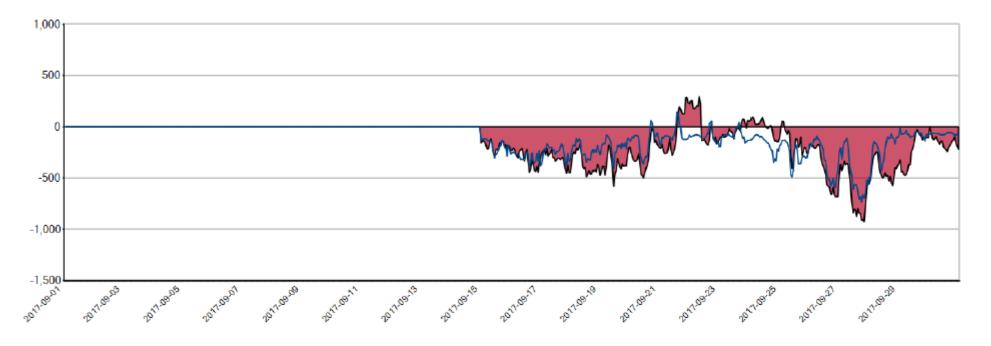
Note: The tap counts are representative of each PAR taking a tap independently.



### September Performance - 5018



#### 2017-09-01 5018 Performance



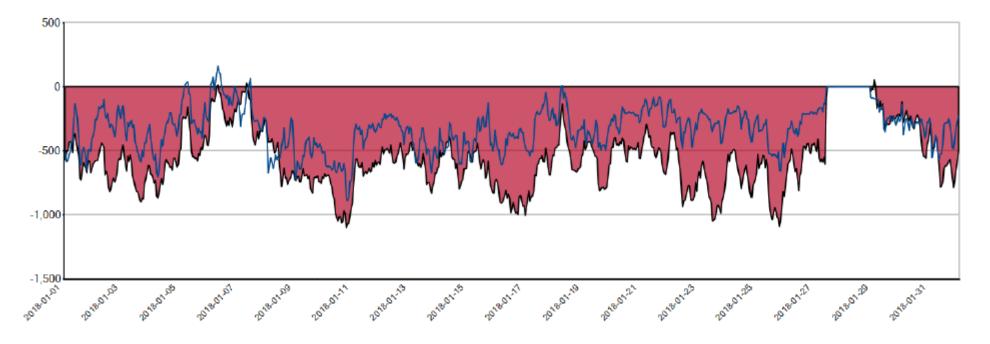
Interface	Congested Hours	Congested '+' Hours	Congested '-' Hours	Congested Hours	Congested '+' Hours	Congested '-' Hours
	PJM	PJM	PJM	NYISO	NYISO	NYISO
5018	0	0	0	83	15	68



### January Performance - 5018



#### 2018-01-01 5018 Performance



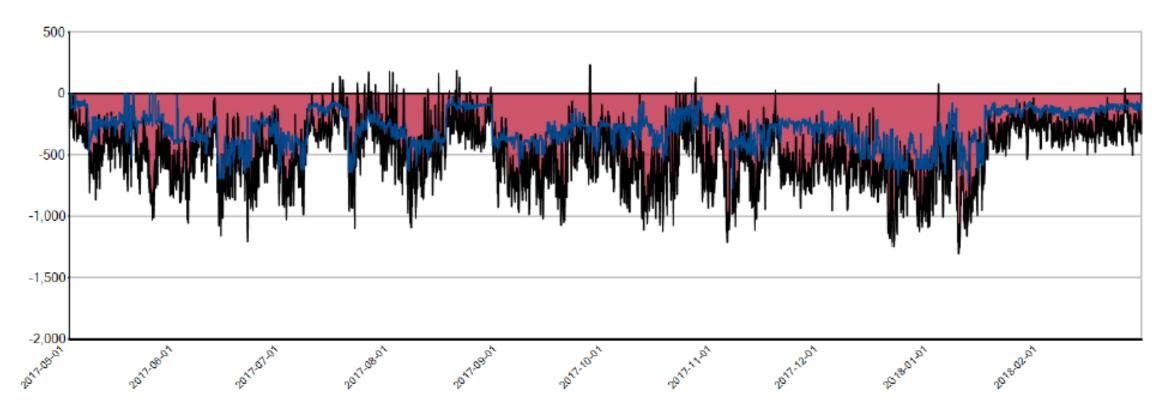
Interface	Congested Hours	Congested '+' Hours	Congested '-' Hours	Congested Hours	Congested '+' Hours	Congested '-' Hours
	PJM	PJM	PJM	NYISO	NYISO	NYISO
5018	45	5	40	374	10	364



#### Performance - ABC



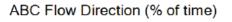
ABC Performance



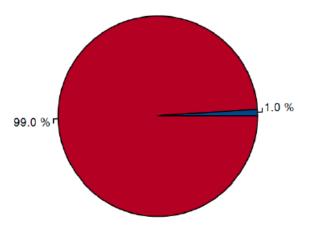


### Flow Direction - ABC





NYISO PJM



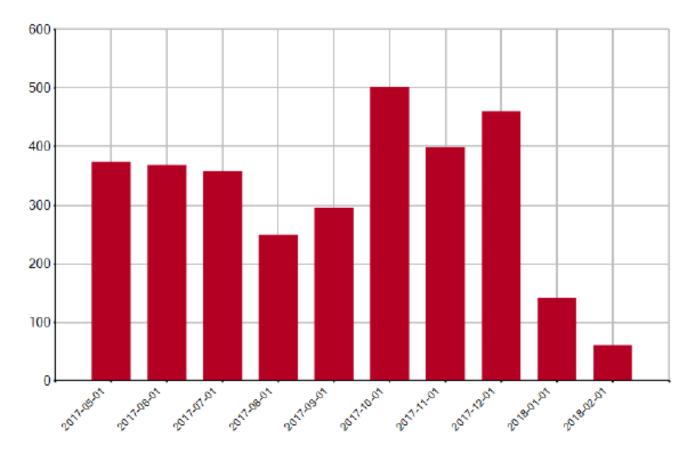
Flow into PJM	Flow into PJM	Flow into NYISO	Flow into NYISO
(Hours)	(MWh)	(Hours)	(MWh)
76	4,612	7,221	3,533,297



### Tap Moves - ABC



ABC Tap Moves



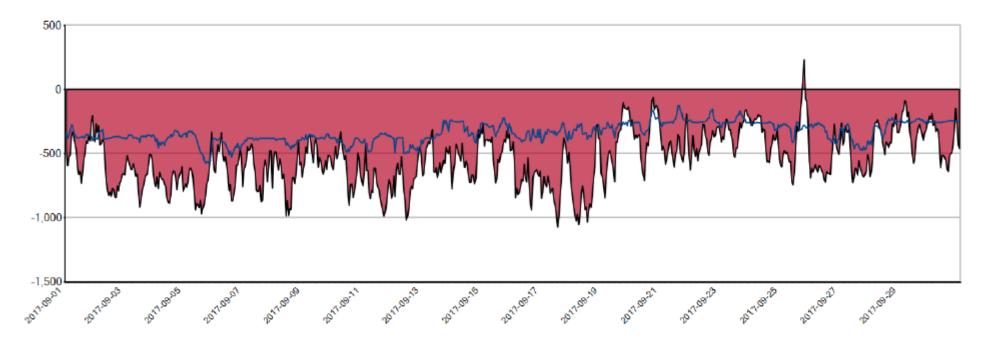
Note: Prior to September 2017, there may be some erroneous values on the A PAR Tap due to telemetry noise.



### September Performance - ABC



#### 2017-09-01 ABC Performance



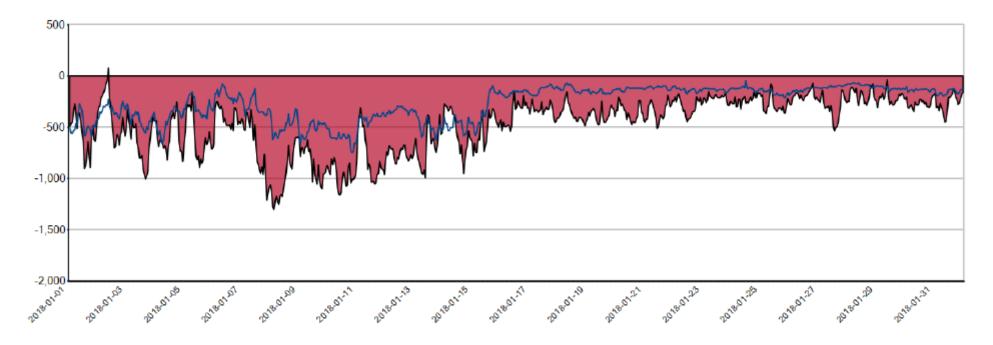
Interface	Congested Hours	Congested '+' Hours	Congested '-' Hours	Congested Hours	Congested '+' Hours	Congested '-' Hours
	PJM	PJM	PJM	NYISO	NYISO	NYISO
ABC	0	0	0	192	32	160



### January Performance - ABC



#### 2018-01-01 ABC Performance



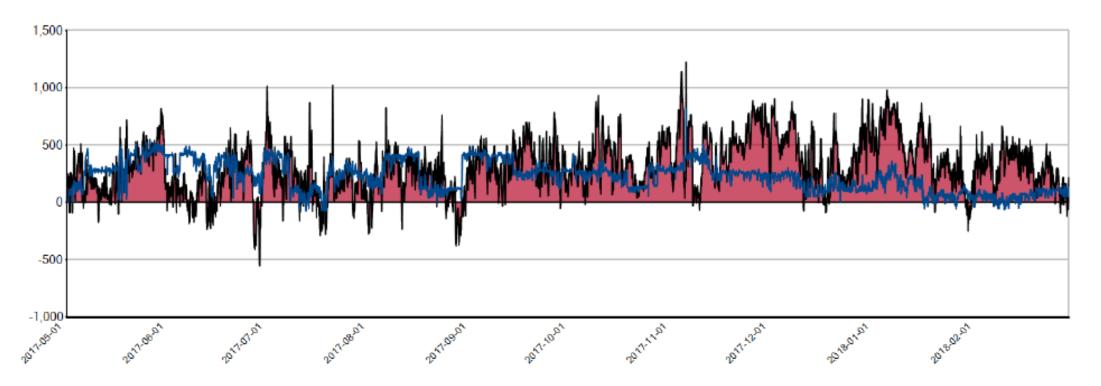
Interface	Congested Hours	Congested '+' Hours	Congested '-' Hours	Congested Hours	Congested '+' Hours	Congested '-' Hours
	PJM	PJM	PJM	NYISO	NYISO	NYISO
ABC	45	0	45	419	13	406

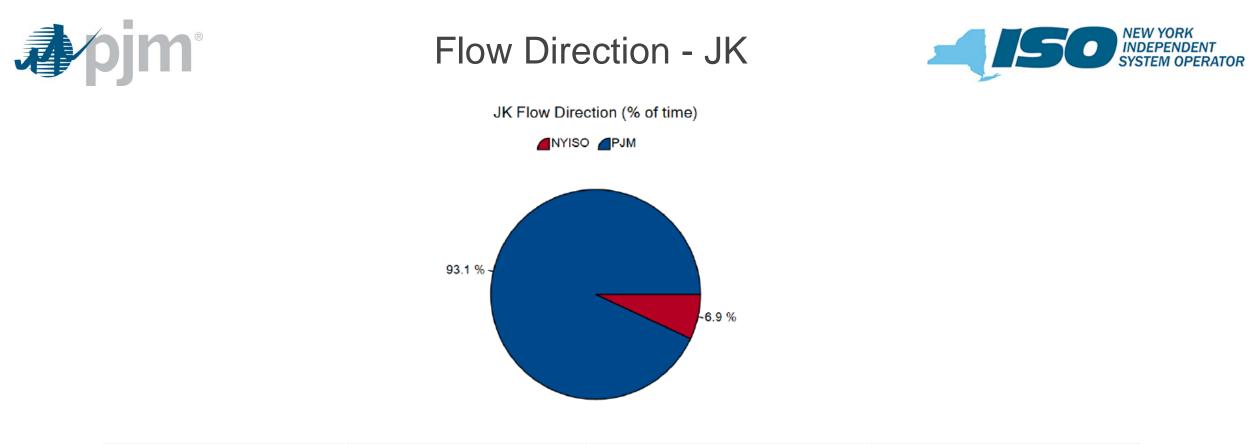


#### Performance - JK



JK Performance





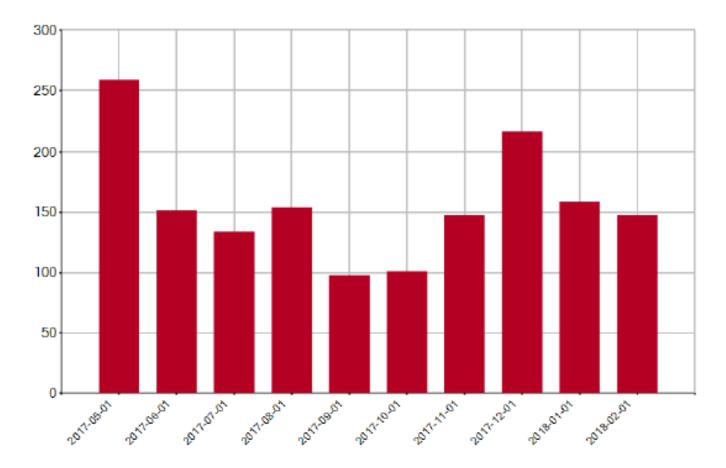
Flow into PJM	Flow into PJM	Flow into NYISO	Flow into NYISO
(Hours)	(MWh)	(Hours)	(MWh)
6,790	2,374,497	507	57,245



### Tap Moves - JK



JK Tap Moves





### September Performance - JK



#### 2017-09-01 JK Performance



Interface	Congested Hours	Congested '+' Hours	Congested '-' Hours	Congested Hours	Congested '+' Hours	Congested '-' Hours
	PJM	PJM	PJM	NYISO	NYISO	NYISO
JK	0	0	0	166	33	133



### January Performance - JK



#### 2018-01-01 JK Performance



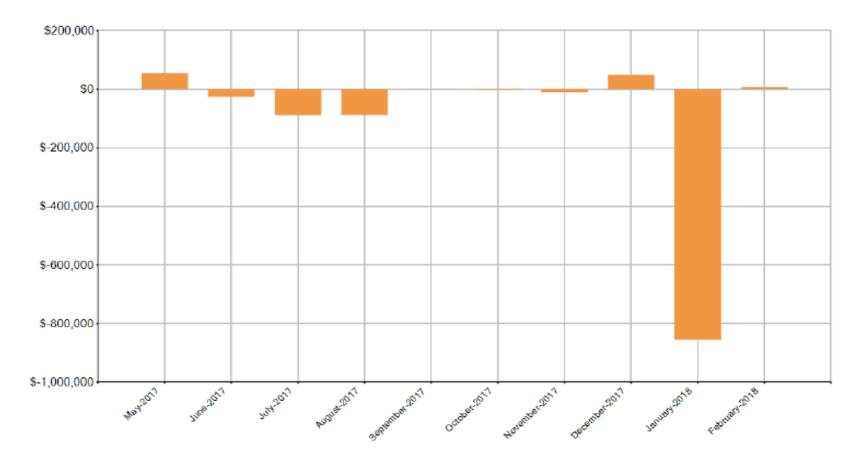
Interface	Congested Hours	Congested '+' Hours	Congested '-' Hours	Congested Hours	Congested '+' Hours	Congested '-' Hours
	PJM	PJM	PJM	NYISO	NYISO	NYISO
JK	45	0	45	412	10	402



# Monthly Settlement History



Settlement (\$)



Settlement Value: \$(1,008,861.17)

Note: As defined in the JOA, a payment from NYISO to PJM when the value is positive, and a payment from PJM to NYISO when the value is negative.