

NY-NJ PAR Interchange Percentages, Operational Base Flow (OBF), and other MW Offsets

This posting describes the interchange percentages, Operational Base Flow (OBF), and other MW Offset values NYISO normally uses in its Day-Ahead and Real-Time Markets, and in its Market-to-Market coordination process with PJM, when establishing expected flows over the Hopatcong-Ramapo interconnection, ABC interface and JK interface.

Interchange Percentages¹

The following describes the percentage of PJM-AC Interchange that is directed over the NY-NJ PARs in the Day-Ahead and Real-Time Market models.

Interface	PAR Name	Description	PJM Keystone Interchange Percentage
Hopatcong – Ramapo	3500	RAMAPO PAR3500	16%
	4500	RAMAPO PAR4500	16%
JK	E	WALDWICK E2257	5%
	F	WALDWICK F2258	5%
	O	WALDWICK O2267	5%
ABC	A	GOETHSLN BK_1N	7%
	B	FARRAGUT TR11	7%
	C	FARRAGUT TR12	7%

If a PAR is out of service, interchange normally distributed over that PAR will be modeled over the free-flowing western AC tie lines between NYISO and PJM.

¹ Effective 5/1/2017

Operational Base Flow (OBF)²

The following describes the OBF, defined as an equal and opposite MW offset of power flows over the Waldwick PARs and ABC PARs to account for natural system flows over the JK interface and the ABC interface in order to facilitate the reliable operation of the NYISO and/or PJM transmission systems. The OBF is included in NYISO’s Day-Ahead Market model, and is also included in the real-time NY-NJ PAR Target Values (expected flows) for the Waldwick and ABC PARs.

Interface	Interface OBF (MW) with All PARs in Service	OBF Distribution (%) with All PARs in Service (for OBF Values greater than 0 MW)	
JK	0 MW from NY to PJM	E	33.3%
		F	33.3%
		O	33.3%
ABC	0 MW from PJM to NY	A	25%
		B	37.5%
		C	37.5%

For an OBF value greater than 0 MW, the following methodology describes how PAR outages affect the in-use OBF value:

- If a PAR is out of service, the OBF applied to that PAR’s interface will be reduced by the OBF MW value normally distributed to that PAR when it is in service. In order to keep the OBF balanced, a reduction in OBF MW at the ABC Interface will also be reflected at the JK Interface and vice versa. When PARs are out of service at both interfaces, the interface that has the largest reduction in OBF MW will establish the reduced OBF MW value applied to both interfaces.

The tables below show the resulting distribution of any reduced OBF value.

Waldwick (E, F, and O) PARs	
Condition	Distribution of the Reduced OBF
3 EFO PARs in service	33.3% of the reduced OBF on each of the three in-service Waldwick PARs
2 EFO PARs in service	50% of the reduced OBF on each of the two in-service Waldwick PARs
1 EFO PAR in service	100% of the reduced OBF on the one in-service Waldwick PAR
0 EFO PARs in service	OBF set to zero

² Effective 11/1/2019, the OBF value was reduced to 0 (zero) MW under all NY-NJ PAR in-service or outage conditions.

ABC PARs	
Condition	Distribution of the Reduced OBF:
3 ABC PARs in service	25% of the reduced OBF on the A PAR, with 37.5% on each of the B and C PARs
2 ABC PARs in service	50% of the reduced OBF on each of B and C PARs if A is out of service OR 60% on the one in-service B or C PAR and 40% on the A PAR
1 ABC PAR in service	100% of the reduced OBF on the one in-service ABC PAR
0 ABC PARs in service	OBF set to zero

Other MW Offsets³

The following describes a MW Offset that is applied to the Ramapo PARs in the NYISO Day-Ahead Market model to represent PJM's service to RECo Load over the Hopatcong-Ramapo interconnection. This MW Offset is a static value applied to all hours in the Day-Ahead Market.

Interface	MW Offset	Offset Distribution (%) with both Ramapo PARs in Service	
		Hopatcong-Ramapo	+150 MW from PJM to NY
		4500	50%

If one of the two Ramapo PARs is out of service, 100% of the MW Offset will be assigned to the remaining in-service PAR. If both Ramapo PARs are out-of-service, there will be a 0 (zero) MW Offset applied to the Hopatcong-Ramapo Interface.

In real-time operations, 80% of PJM's service to RECo Load is included dynamically in the Ramapo PAR Target Value (expected flow) based on the real-time telemetered RECo Load MWs.

³ Effective 6/14/2017