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## **APPENDIX E**

### DEFINITIONS OF TRANSMISSION INTERFACES

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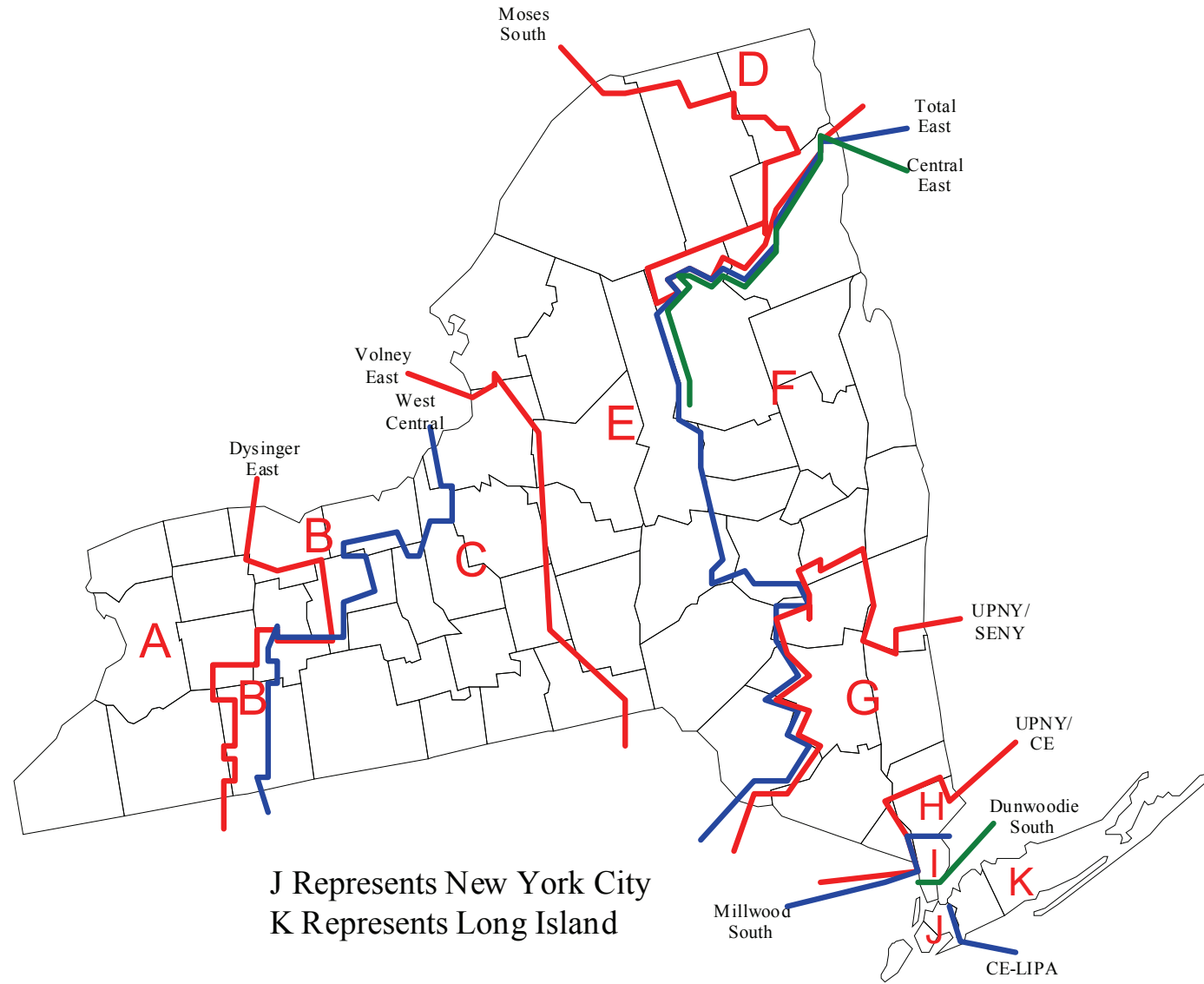
## DEFINITIONS OF TRANSMISSION INTERFACES

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## E.2. Definition of NYCA Intra-Area Transmission Interfaces



<b>DYSINGER EAST</b>			
<b>OPEN</b>	<b>Name</b>	<b>Line ID</b>	<b>Voltage (kV)</b>
	AES Somerset-Rochester (Sta. 80)	SR-1/39	345
	Niagara-Rochester	NR2	345
	Andover - Palmiter	932	115
	Lockport-Batavia	107	115
	Lockport-N. Akron	108	115
	Lockport-Oakfield	112	115
	Lockport-Sweden 1	111	115
	Lockport-Sweden 3	113	115
	Lockport-Telegraph	114	115
	Stolle-High Sheldon	67	230
<b>CLOSED</b>	St. Lawrence-Moses	L33P	230
	St. Lawrence-Moses	L34P	230
	Homer City-Watercure	30	345
	E. Towanda-Hillside	70	230
	Laurel Lake-Goudey	952	115
	E. Sayre-N. Waverly	956	115
	Jefferson-Ramapo	5018	500
	Waldwick S.Mahwah	J3410	345
	Waldwick-S.Mahwah	K3411	345
	S. Mahwah 138/345	BK258	138/345
	S. Mahwah – Ramapo	51	138
	Harings Corners – W. Nyack	701	69
	Montvale – Bluehill		69
	Montvale – Bluehill		69
	Montvale – Pearl River	491	69
	S. Mahwah – Hilburn	65	69
	Harings Corners – Pearl River	45	34
	Cresskill – Sparkill	751	69
	Hudson-Farragut	C3403	345
	Hudson-Farragut	B3402	345
	Linden-Goethals	A2253	230
	Linden-Cogen Tech	Linden VFT	230/345
	Raritan River-Newbridge Rd.	Neptune	HVdc

<b>WEST CENTRAL</b>			
<b>OPEN</b>	<b>Name</b>	<b>Line ID</b>	<b>Voltage (kV)</b>
	Pannell Road-Clay	PC-1	345
	Pannell Road-Clay	PC-2	345
	Andover - Palmiter	932	115
	Quaker-Macedon	930	115
	Mortimer-Hook Rd- Elbridge	1/7	115
	Mortimer-Elbridge	2	115
	Pannell-Farmington	4	115
	Station 121-Sleight Road	13	115
	St. 162 - S. Perry	906	115
	Clyde 199-Sleight Rd		115
	Clyde 199-Clinton Corn		115
	Hook Rd (RGE-NMPC)	TB#3	34.5/115
	(Farmington 34.5/115kV)	#7	34.5/115

	(Farmington 34.5/115kV&12/115 kV)	#4	34.5/115 & 12/115
	Stolle-Meyer	67	230
<b>CLOSED</b>	St. Lawrence-Moses	L33P	230
	St. Lawrence-Moses	L34P	230
	Homer City-Watercure	30	345
	E. Towanda-Hillside	70	230
	Laurel Lake-Goudey	952	115
	E. Sayre-N. Waverly	956	115
	Jefferson-Ramapo	5018	500
	Waldwick S.Mahwah	J3410	345
	Waldwick-S.Mahwah	K3411	345
	S. Mahwah 138/345	BK258	138/345
	S. Mahwah – Ramapo	51	138
	Harings Corners – W. Nyack	701	69
	Montvale – Bluehill		69
	Montvale – Bluehill		69
	Montvale – Pearl River	491	69
	S. Mahwah – Hilburn	65	69
	Harings Corners – Pearl River	45	34
	Cresskill – Sparkill	751	69
	Hudson-Farragut	C3403	345
	Hudson-Farragut	B3402	345
	Linden-Goethals	A2253	230
	Linden-Cogen Tech	Linden VFT	230/345
	Raritan River-Newbridge Rd.	Neptune	HVdc

<b>VOLNEY EAST</b>			
<b>OPEN</b>	<b>Name</b>	<b>Line ID</b>	<b>Voltage (kV)</b>
	Oakdale - Fraser	32	345
	Clay - Edic	1-16	345
	Clay - Edic	2-15	345
	Volney - Marcy	19	345
	JA Fitzpatrick - Edic	FE1	345
	Kattelville - Jennison		115
	Oakdale – Delhi		115
	Willet – East Norwich		115
	Lighthouse Hill – Black River		115
	Lighthouse Hill – East Watertown		115
	Teall - Oneida		115
	Whitman - Oneida		115
	Peterboro - Oneida		115
	Omega Wire - Camden		34.5
<b>CLOSED</b>	St. Lawrence-Moses	L33P	230
	St. Lawrence-Moses	L34P	230
	Jefferson-Ramapo	5018	500
	Waldwick S.Mahwah	J3410	345
	Waldwick-S.Mahwah	K3411	345
	S. Mahwah 138/345	BK258	138/345
	S. Mahwah – Ramapo	51	138
	Harings Corners – W. Nyack	701	69
	Montvale – Bluehill		69

Montvale – Bluehill		69
Montvale – Pearl River	491	69
S. Mahwah – Hilburn	65	69
Harings Corners – Pearl River	45	34
Cresskill – Sparkill	751	69
Hudson-Farragut	C3403	345
Hudson-Farragut	B3402	345
Linden-Goethals	A2253	230
Linden-Cogen Tech	Linden VFT	230/345
Raritan River-Newbridge Rd.	Neptune	HVdc

<b>CENTRAL EAST</b>		
<b>Name</b>	<b>Line ID</b>	<b>Voltage (kV)</b>
Edic-New Scotland	14	345
Marcy-New Scotland	UNS-18	345
Porter-Rotterdam	30	230
Porter-Rotterdam	31	230
Plattsburgh - Grand Isle	PV-20	115
East Springfield - Inghams	942	115
Inghams Bus Tie	PAR	115

<b>TOTAL EAST</b>			
	<b>Name</b>	<b>Line ID</b>	<b>Voltage (kV)</b>
	Coopers Corners-Middletown	CCRT-34	345
	Coopers Corners-Rock Tavern	CCRT-42	345
	Edic-New Scotland	14	345
	Marcy-New Scotland	UNS-18	345
	Porter-Rotterdam	30	230
	Porter-Rotterdam	31	230
	Fraser-Gilboa	35	345
	East Springfield – Inghams	942	115
	Inghams Bus Tie	PAR	115
	West Woodbourne 115/69	T152	115/69
	Plattsburgh-Grand Isle	PV-20	115
	Jefferson-Ramapo	5018	500
	Waldwick S.Mahwah	J3410	345
	Waldwick-S.Mahwah	K3411	345
	S. Mahwah 138/345	BK258	138/345
	S. Mahwah – Ramapo	51	138
	Harings Corners – W. Nyack	701	69
	Montvale – Bluehill		69
	Montvale – Bluehill		69
	Montvale – Pearl River	491	69
	S. Mahwah – Hilburn	65	69
	Harings Corners – Pearl River	45	34
	Cresskill – Sparkill	751	69
	Hudson-Farragut	C3403	345
	Hudson-Farragut	B3402	345
	Linden-Goethals	A2253	230
	Linden-Cogen Tech	Linden VFT	230/345
	Raritan River-Newbridge Rd.	Neptune	HVdc

<b>MOSES SOUTH</b>			
	<b>Name</b>	<b>Line ID</b>	<b>Voltage (kV)</b>
<b>OPEN</b>	Massena-Marcy	MSU1	765
	Moses-Adirondack	MA-1	230
	Moses-Adirondack	MA-2	230
	Dennison-Colton	4	115
	Dennison-Colton	5	115
	Alcoa-N. Ogdensburg	13	115
	Malone-Colton	3	115
<b>CLOSED</b>	St. Lawrence-Moses	L33P	230
	St. Lawrence-Moses	L34P	230
	Plattsburgh-Grand Isle	PV-20	115

<b>UPNY-CONED</b>			
<b>OPEN</b>	<b>Name</b>	<b>Line ID</b>	<b>Voltage (kV)</b>
	Ladentown-Buchanan South	Y88	345
	Pleasant Valley-Wood St.	F30	345
	Pleasant Valley-E. Fishkill	F36	345
	Pleasant Valley-E. Fishkill	F37	345
	Pleasant Valley-Millwood	F31	345
	Ramapo-Buchanan North	Y94	345
	Roseton-E. Fishkill	305	345
	East Fishkill – Sylvan Lake	A/990	115
	East Fishkill 115/345		115/345
<b>CLOSED</b>	Raritan River-Newbridge Rd.	Neptune	HVdc
	Norwalk Harbor-Northport	601/602/603	138
	New Haven-Shoreham	Cross-Sound	HVdc
	Hudson-Farragut	C3403	345
	Hudson-Farragut	B3402	345
	Linden-Goethals	A2253	230
	Linden-Cogen Tech	Linden VFT	230/345

<b>SPRAIN BROOK-DUNWOODIE SOUTH</b>			
<b>OPEN</b>	<b>Name</b>	<b>Line ID</b>	<b>Voltage (kV)</b>
	Dunwoodie-Mott Haven	71	345
	Dunwoodie-Mott Haven	72	345
	Sprain Brook-Tremont	28	345
	Sprain Brook-West 49th Street	M51	345
	Sprain Brook-West 49th Street	M52	345
	Sprain Brook-Sherman Creek	M29	345
	Dunwoodie-Shore Road	Y50	345
	Sprain Brook-East Garden City	Y49	345
	Dunwoodie-Sherman Creek	99032	138
	Dunwoodie-Sherman Creek	99031	138
<b>CLOSED</b>	Raritan River-Newbridge Rd.	Neptune	HVdc
	Norwalk Harbor-Northport	601/602/603	138
	New Haven-Shoreham	Cross-Sound	HVdc
	Hudson-Farragut	C3403	345
	Hudson-Farragut	B3402	345
	Linden-Goethals	A2253	230
	Linden-Cogen Tech	Linden VFT	230/345

<b>LIPA IMPORT</b>			
	<b>Name</b>	<b>Line ID</b>	<b>Voltage (kV)</b>
	Dunwoodie-Shore Road	Y50	345
	Sprain Brook-East Garden City	Y49	345
	Raritan River-Newbridge Rd.	Neptune	HVdc
	Norwalk Harbor-Northport	601/602/603	138
	New Haven-Shoreham	Cross-Sound	HVdc
	Jamaica-Valley Stream	901L/M	138
	Jamaica-Lake Success	903	138

### E.3. Definition of NYCA Inter-Area Transmission Interfaces

#### NEW YORK - PJM (NY-PJM)

<u>FROM BUS</u>	<u>TO BUS</u>	<u>Line ID</u>	<u>kV</u>
RAMAPO	JEFFERSON	5018	500
WATERCURE	HOMER CITY	30	345
STOLLE RD.	HOMER CITY	37	345
SOUTH MAHWAH	WALDWICK	J3410	345
SOUTH MAHWAH	WALDWICK	K3411	345
FARRGUT	HUDSON	B3402	345
FARRGUT	HUDSON	C3403	345
GOETHALS	LINDEN	A2253	230
HILLSIDE	EAST TOWANDA	70	230
SOUTH RIPLEY	ERIE SOUTH	69	230
FALCONER	WARREN	171	115
GOUDEY	LAUREL LAKE	952	115
NORTH WAVERLY	EAST SAYRE	956	115
BURNS	HARINGS CORNERS		138
RAMAPO	SOUTH MAHWAH		138
SMAHWAH	SOUTH MAHWAH		345/138
WEST NYACK	HARINGS CORNERS		69
BLUE HILL	MONTVALE		69
BLUE HILL	MONTVALE		69
L491T	MONTVALE		69
HILBURN	SOUTH MAHWAH		69
PEARL RIVER	HARINGS CORNERS		34.5
SPARKILL	CRESSKILL		69
COGEN TECH	LINDEN	VFT	345/230
NEWBRIGDE	RARITAN RIVER	Neptune	HVdc

#### NEW YORK - NEW ENGLAND (NY-NE)

<u>FROM BUS</u>	<u>TO BUS</u>	<u>Line ID</u>	<u>kV</u>
ALPS	BERKSHIRE	393	345
PLEASANT VALLEY	LONG MOUNTAIN	398	345
ROTTERDAM	BEAR SWAMP	E205W	230
NORTHPORT	NORWALK HARBOR	601/602/603	138
HOOSICK	BENNINGTON	6	115
PLATTSBURGH	GRAND ISLAND	PV-20	115
WHITEHALL	BLISSVILLE	7/K37	115
SMITHFIELD	SALISBURY	690	69
SHOREHAM	NEW HAVEN	Cross-Sound	HVdc

#### NEW YORK - ONTARIO (NY-ON)

<u>FROM BUS</u>	<u>TO BUS</u>	<u>Line ID</u>	<u>kV</u>
NIAGARA	BECK	PA301	345
NIAGARA	BECK	PA302	345
PACKARD	BECK	BP76	230
NIAGARA	BECK	PA27	230
MOSES	ST. LAWRENCE	L33P	230
MOSES	ST. LAWRENCE	L34P	230