

PJM 2014/2015 Stage 1A Over allocation notice

This document is to inform PJM members that Stage 1A of the 2014/2015 Annual ARR allocation was infeasible and PJM was required per PJM Tariff and Operating Agreement to increase the capability limits on these facilities in order to allocate all Stage 1A ARRs.

Section 7.4.2 (i) of the PJM OATT and Operating Agreement states:

If any Auction Revenue Right requests made during stage 1A of the annual allocation process are not feasible due to system conditions, then PJM shall increase the capability limits of the binding constraints that would have rendered the Auction Revenue Rights infeasible to the extent necessary in order to allocate such Auction Revenue Rights without their being infeasible unless such infeasibility is caused by extraordinary circumstances. Such increased limits shall be included in all rounds of the annual allocation and auction processes and in subsequent modeling during the Planning Year to support any incremental allocations of Auction Revenue Rights and monthly and balance of the Planning Period Financial Transmission Rights auctions unless and to the extent those system conditions that contributed to infeasibility in the annual process are not extant for the time period subject to the subsequent modeling, such as would be the case, for example, if transmission facilities are returned to service during the Planning Year. In these cases, any increase in the capability limits taken under this subsection (i) during the annual process will be removed from subsequent modeling to support any incremental allocations of Auction Revenue Rights and monthly and balance of the Planning Period Financial Transmission Rights auctions. In addition, PJM may remove or lower the increased capability limits, if feasible, during subsequent FTR Auctions if the removal or lowering of the increased capability limits does not impact Auction Revenue Rights funding and net auction revenues are positive.

The below facilities were infeasible and required an increase to the capability limits. These increases will be modeled for all future rounds of the 2014/2015 ARR Allocation and all FTR Auctions effective for the 2014/2015 planning period unless the reason for infeasibility is because of Transmission Outages in which case the increase to capability limits will only apply when the transmission outage is out of service. In addition, PJM may remove or lower the increased capability limits, if feasible, during subsequent FTR Auctions if the removal or lowering of the increased capability limits does not impact Auction Revenue Rights funding and net auction revenues are positive.

Equipment Name	Contingency Description	Required MW Increase in Capability Limits	Type	Reason for Infeasibility
107 DIXO138 KV 10714	L345.Nelson-Electric Junction.15502	7	Internal PJM	Network Load
12205-151 Woodstock 138 kv I/o Cherry Valley-Silver Lake 345 kv		75	M2M Flowgate	Network Load
15623-Belvidere 138 I/o Cherry Valley-Silver Lake 345		52	M2M Flowgate	Network Load
6 BYRON 345 KV 0622	L345.Byron-Cherry Valley.0621 (SPOG 1-3-F)	83	Internal PJM	Transmission Outages
77 MAZON138 KV 0108 2	345L2001 BRAIDWD-E FRNKRT & BRAIDWD 7-8 CB	16	Internal PJM	Transmission Outages
77 MAZON138 KV 1205 4	345L2001 BRAIDWD-E FRNKRT & BRAIDWD 7-8 CB	15	Internal PJM	Transmission Outages
7713-Mazon 138 I/o Pontiac-Brokaw 345		3	M2M Flowgate	Transmission Outages
ALTAVSTA138 KV TX3	138/115.Altavista.T4 (Sctnlz)	4	Internal PJM	Transmission Outages
ATHENIA 138 KV ATH-ERU	L230.Hudson-Penhorn-Belville-NBergen-Bergen.X-2250	11	Internal PJM	Transmission Outages
ATHENIA 230 KV ATH-BEL		55	Internal PJM	Transmission Outages
ATHENIA 230 KV ATH-BEL	L230.Hillsdale-Waldwick	19	Internal PJM	Transmission Outages
ATHENIA 230 KV ATH-CLIK	L230.CedarGrove-Clifton-Athenia.B-2228	31	Internal PJM	Network Load
BABB 138 KV BAB-EVA1	L345.Hanna-Juniper	22	Internal PJM	Transmission Outages
BABB 138 KV BAB-EVA1		6	Internal PJM	Transmission Outages
Babcock-Stillwell 345 kv I/o WiltonCenter-Dumont 765 KV		148	M2M Flowgate	Network Load
Beaver Channel-Albany 161 I/o Rock Creek-Salem 345		19	M2M Flowgate	Network Load
BELLEVL230 KV BEL-PEN	L230.Hillsdale-Waldwick	18	Internal PJM	Transmission Outages
Breed-Wheatland 345 kv line I/o Rockport-Jefferson 765 kv line		329	M2M Flowgate	Network Load
BREMO4 230 KV 298A	L500.Carson-Clover.556	31	Internal PJM	Transmission Outages
Burr Oak-Plymouth 138 kv I/o Burr Oak-Leesburg 345 kv		56	M2M Flowgate	Network Load
BUTL APS138 KV BUT-KAR		59	Internal PJM	Transmission Outages
BUTL APS138 KV BUT-KAR	L345.HandsomeLake-HomerCity	30	Internal PJM	Transmission Outages
CEDARGRO230 KV CED-CLIK	L230.CedarGrove-Clifton-Athenia.B-2228	32	Internal PJM	Network Load
CHURCH 138 KV CHU-TOW	L230.CedarCreek-RedLion.23030	25	Internal PJM	Transmission Outages
CHURCH 69 KV CHU-NME	L230.CedarCreek-RedLion.23030	14	Internal PJM	Transmission Outages
Cordova-Nelson 345 kv (15503) I/o H471-Nelson 345 kv (15504)		120	M2M Flowgate	Network Load
Galesburg 161/138 Xfm #2 flo Electric Jct.-Nelson B 345		68	M2M Flowgate	Network Load
HUDSON 230 KV HUD-PENT		2	Internal PJM	Transmission Outages
KAMMER2 345 KV .100	L345.Muskingum River-Kammer	10	Internal PJM	Transmission Outages
Kewanee-Edwards 138 kv I/o Nelson-Electric Jct 345 kv		38	M2M Flowgate	Network Load
Kewanee-Edwards 138kv (flo) Duck Crk-Tazewell 345kv		44	M2M Flowgate	Network Load
KNOX 138 KV EAK-KNO		52	Internal PJM	Transmission Outages
KNOX 138 KV EAK-KNO	L345.SAMMIS-STAR(OE)	12	Internal PJM	Transmission Outages
LAKEVIE4230 KV 254A	L500.Carson-Clover.556	14	Internal PJM	Transmission Outages
Loretto-Wilton Center 345 kv I/o Pontiac-Dresden 345 kv + TR82		230	M2M Flowgate	Network Load
MarengoTap-PlsntValley(12204-2)138kv I/o ChryVly-SilverLake(15616)345kv		159	M2M Flowgate	Network Load
Michigan City-Laporte 138kv (flo) Wilton Center 765kv		6	M2M Flowgate	Network Load
MIDDLEJCT115 KV 1 TX RE	Middletown Jct #5 230/115 kv XF and BUS #8	7	Internal PJM	Transmission Outages
Monticello_East_Winamac_138_flo_Schahfer_Burr_Oak_345		21	M2M Flowgate	Network Load
Nelson 345/138 TR82 I/o Nelson-Electric Jct 345		61	M2M Flowgate	Network Load
Nelson-Electric Jct (15502) I/o Cherry Val-Silver Lake (15616)		204	M2M Flowgate	Network Load
Oak Grove_Galesburg_flo_Nelson_ElectricJct		69	M2M Flowgate	Network Load
Oakgrove_Galesburg_161_FLO_Cordova_Nelson_345		56	M2M Flowgate	Network Load
OAkgrove_GALESBURG161_flo_STERLING_STL_NELSON345		52	M2M Flowgate	Network Load
OTTER 138 KV OTT-ALT1	765/345.Cloverdale.T.10 FAILED SECTIONALIZE	8	Internal PJM	Transmission Outages
Paddock-Townline 138 (flo) Paddock-Blackhawk 138		33	M2M Flowgate	Network Load
Pleasant Prairie-Zion EC 345 kv I/o Pleasant Prairie-Zion 345 kv		121	M2M Flowgate	Network Load
Rantoul_RantlJct_138_flo_NChmpgn_Mahmet_Rsng_138		10	M2M Flowgate	Network Load

Listed below are the aggregate MW quantities, by source and sinks, of infeasible ARR in Stage 1A of the 2014/2015 Annual ARR Allocation.

Source	Sink	Infeasible MW Quantity
150 CALU138 KV TR74-X12	GENEVA	0.5
194 SABR138 KV TR71 12	BATAVIA	0.1
194 SABR138 KV TR71 12	COMED	6.2
194 SABR138 KV TR71 12	GENEVA	0.1
194 SABR138 KV TR73 12	BATAVIA	0.1
194 SABR138 KV TR73 12	COMED	2.5
194 SABR138 KV TR73 12	GENEVA	0.1
21 KINCA20 KV KN-1	BATAVIA	1.9
21 KINCA20 KV KN-1	COMED	82.2
21 KINCA20 KV KN-1	GENEVA	1.1
21 KINCA20 KV KN-1	NAPERVILLE	7.4
21 KINCA20 KV KN-1	ROCHELLE	1
21 KINCA20 KV KN-1	ST. CHARLES	2.5
21 KINCA20 KV KN-2	BATAVIA	1.9
21 KINCA20 KV KN-2	COMED	82.2
21 KINCA20 KV KN-2	GENEVA	1.1
21 KINCA20 KV KN-2	NAPERVILLE	7.4
21 KINCA20 KV KN-2	ROCHELLE	1
21 KINCA20 KV KN-2	ST. CHARLES	2.5
4 QUAD C18 KV QC-1	BATAVIA	1.8
4 QUAD C18 KV QC-1	COMED	77.4
4 QUAD C18 KV QC-1	GENEVA	1
4 QUAD C18 KV QC-1	NAPERVILLE	7.1
4 QUAD C18 KV QC-1	ROCHELLE	1.2
4 QUAD C18 KV QC-1	ST. CHARLES	2.4
4 QUAD C18 KV QC-2	BATAVIA	1.8
4 QUAD C18 KV QC-2	COMED	77.4
4 QUAD C18 KV QC-2	GENEVA	1
4 QUAD C18 KV QC-2	NAPERVILLE	7.1
4 QUAD C18 KV QC-2	ROCHELLE	1.2
4 QUAD C18 KV QC-2	ST. CHARLES	2.4

6 BYRON 25 KV BY-1	BATAVIA	2.5
6 BYRON 25 KV BY-1	COMED	104.7
6 BYRON 25 KV BY-1	GENEVA	1.4
6 BYRON 25 KV BY-1	NAPERVILLE	10.1
6 BYRON 25 KV BY-1	ROCHELLE	2.1
6 BYRON 25 KV BY-1	ST. CHARLES	3.3
6 BYRON 25 KV BY-2	BATAVIA	2.5
6 BYRON 25 KV BY-2	COMED	101.9
6 BYRON 25 KV BY-2	GENEVA	1.4
6 BYRON 25 KV BY-2	NAPERVILLE	9.9
6 BYRON 25 KV BY-2	ST. CHARLES	1.8
937 LEE 13.5 KV LEE31-1	BATAVIA	0.2
937 LEE 13.5 KV LEE31-1	COMED	9
937 LEE 13.5 KV LEE31-1	GENEVA	0.1
937 LEE 13.5 KV LEE31-1	NAPERVILLE	0.8
937 LEE 13.5 KV LEE31-1	ROCHELLE	0.1
937 LEE 13.5 KV LEE31-1	ST. CHARLES	0.3
937 LEE 13.5 KV LEE31-2	BATAVIA	0.2
937 LEE 13.5 KV LEE31-2	COMED	9
937 LEE 13.5 KV LEE31-2	GENEVA	0.1
937 LEE 13.5 KV LEE31-2	NAPERVILLE	0.8
937 LEE 13.5 KV LEE31-2	ROCHELLE	0.1
937 LEE 13.5 KV LEE31-2	ST. CHARLES	0.3
937 LEE 13.5 KV LEE33-1	BATAVIA	0.2
937 LEE 13.5 KV LEE33-1	COMED	9
937 LEE 13.5 KV LEE33-1	GENEVA	0.1
937 LEE 13.5 KV LEE33-1	NAPERVILLE	0.8
937 LEE 13.5 KV LEE33-1	ROCHELLE	0.1
937 LEE 13.5 KV LEE33-1	ST. CHARLES	0.3
937 LEE 13.5 KV LEE33-2	BATAVIA	0.2
937 LEE 13.5 KV LEE33-2	COMED	9
937 LEE 13.5 KV LEE33-2	GENEVA	0.1
937 LEE 13.5 KV LEE33-2	NAPERVILLE	0.8
937 LEE 13.5 KV LEE33-2	ROCHELLE	0.1
937 LEE 13.5 KV LEE33-2	ST. CHARLES	0.3
944 SE C13.5 KV SE11	GENEVA	0.1
944 SE C13.5 KV SE12	GENEVA	0.1
945 CRET13.5 KV CT-1	BATAVIA	0.3
945 CRET13.5 KV CT-1	COMED	13.5
945 CRET13.5 KV CT-1	GENEVA	0.1
945 CRET13.5 KV CT-1	NAPERVILLE	1.2
945 CRET13.5 KV CT-1	ST. CHARLES	0.4

945 CRET13.5 KV CT-2	BATAVIA	0.3
945 CRET13.5 KV CT-2	COMED	13.5
945 CRET13.5 KV CT-2	GENEVA	0.1
945 CRET13.5 KV CT-2	NAPERVILLE	1.2
945 CRET13.5 KV CT-2	ST. CHARLES	0.4
945 CRET13.5 KV CT-3	BATAVIA	0.3
945 CRET13.5 KV CT-3	COMED	13.5
945 CRET13.5 KV CT-3	GENEVA	0.1
945 CRET13.5 KV CT-3	NAPERVILLE	1.2
945 CRET13.5 KV CT-3	ST. CHARLES	0.4
945 CRET13.5 KV CT-4	BATAVIA	0.3
945 CRET13.5 KV CT-4	COMED	13.5
945 CRET13.5 KV CT-4	GENEVA	0.1
945 CRET13.5 KV CT-4	NAPERVILLE	1.2
945 CRET13.5 KV CT-4	ST. CHARLES	0.4
952 ROCK16 KV RO11	COMED	15.1
952 ROCK16 KV RO12	COMED	15.1
BLAIRSVE22 KV CONMDM	PENELEC	0.8
BLAIRSVE22 KV CONMDM	WELLSBORO	0.1
BRUNSWIC13 KV EDGEBORO	HILLSDALE_PARKRIDGE	0.1
BURGER 138 KV EMDS	AMP-ATSI OH	0.1
BURGER 138 KV EMDS	CPP	0.1
BURGER 138 KV EMDS	FE OHIO	0.9
BURGER 14 KV BE3	AMP-ATSI OH	2.2
BURGER 14 KV BE3	CPP	1.4
BURGER 14 KV BE3	FE OHIO	14.3
BURGER 14 KV BE3	PENN POWER	0.1
BURLINGT13 KV UN101	HILLSDALE_PARKRIDGE	0.1
BURLINGT13 KV UN101	PSEG	0.2
BURLINGT13 KV UN102	HILLSDALE_PARKRIDGE	0.1
BURLINGT13 KV UN102	PSEG	0.2
BURLINGT13 KV UN103	HILLSDALE_PARKRIDGE	0.1
BURLINGT13 KV UN103	PSEG	0.2
BURLINGT13 KV UN104	HILLSDALE_PARKRIDGE	0.1
BURLINGT13 KV UN104	PSEG	0.2
BURLINGT13 KV UN105	HILLSDALE_PARKRIDGE	0.1
BURLINGT13 KV UN105	PSEG	1.1
BURLINGT13 KV UN111	HILLSDALE_PARKRIDGE	0.1
BURLINGT13 KV UN111	PSEG	1
BURLINGT13 KV UN112	HILLSDALE_PARKRIDGE	0.1
BURLINGT13 KV UN112	PSEG	1
BURLINGT13 KV UN113	HILLSDALE_PARKRIDGE	0.1

BURLINGT13 KV UN113	PSEG	1
BURLINGT13 KV UN114	HILLSDALE_PARKRIDGE	0.1
BURLINGT13 KV UN114	PSEG	1
BURLINGT13 KV UNIT08	HILLSDALE_PARKRIDGE	0.1
BURLINGT13 KV UNIT08	PSEG	0.1
BURLINGT13 KV UNIT91	HILLSDALE_PARKRIDGE	0.1
BURLINGT13 KV UNIT91	PSEG	0.2
BURLINGT13 KV UNIT92	HILLSDALE_PARKRIDGE	0.1
BURLINGT13 KV UNIT92	PSEG	0.2
BURLINGT13 KV UNIT93	HILLSDALE_PARKRIDGE	0.1
BURLINGT13 KV UNIT93	PSEG	0.2
BURLINGT13 KV UNIT94	HILLSDALE_PARKRIDGE	0.1
BURLINGT13 KV UNIT94	PSEG	0.2
CAMBRIA 13 KV NUG GE	PENELEC	17.4
CAMBRIA 13 KV NUG GE	WELLSBORO	0.6
CAMDENGN13 KV CMDN#2	HILLSDALE_PARKRIDGE	0.2
CAMDENGN13 KV CMDN#2	PSEG	3.6
CHR138 12 KV G11	EASTON	0.2
CHR138 12 KV G14	DPL_ODEC	0.7
CHR138 12 KV G14	EASTON	0.1
CLARKOE 14 KV MR81	CPP	0.3
CLARKOE 14 KV MR82	CPP	0.3
CLOVER 25 KV G1	DOM	1.4
CLOVER 25 KV G2	DOM	1.4
COLVERPO13 KV NUG GE	PENELEC	19.8
COLVERPO13 KV NUG GE	WELLSBORO	0.5
CONEMAUG115 KV DIESEL	HILLSDALE_PARKRIDGE	0.1
CONEMAUG22 KV UNIT 1	BRUNSWICK	0.1
CONEMAUG22 KV UNIT 1	CITIZENS	0.2
CONEMAUG22 KV UNIT 1	DPL_ODEC	1.9
CONEMAUG22 KV UNIT 1	EASTON	0.1
CONEMAUG22 KV UNIT 1	HILLSDALE_PARKRIDGE	0.2
CONEMAUG22 KV UNIT 1	OLYPHANT	0.1
CONEMAUG22 KV UNIT 1	PPL	4.2
CONEMAUG22 KV UNIT 1	PSEG	20.7
CONEMAUG22 KV UNIT 1	UGI	3.8
CONEMAUG22 KV UNIT02	BRUNSWICK	0.1
CONEMAUG22 KV UNIT02	CITIZENS	0.2
CONEMAUG22 KV UNIT02	DPL_ODEC	1.9
CONEMAUG22 KV UNIT02	EASTON	0.1
CONEMAUG22 KV UNIT02	HILLSDALE_PARKRIDGE	0.2
CONEMAUG22 KV UNIT02	OLYPHANT	0.1

CONEMAUG22 KV UNIT02	PPL	4.2
CONEMAUG22 KV UNIT02	PSEG	20.7
CONEMAUG22 KV UNIT02	UGI	3.8
DEEPCRK 12 KV NO 1 G	PENELEC	1.9
DEEPCRK 12 KV NO 1 G	WELLSBORO	0.1
DEEPCRK 12 KV NO 2 G	PENELEC	1.9
DEEPCRK 12 KV NO 2 G	WELLSBORO	0.1
DELA DPL13 KV G1	DPL_ODEC	2.1
DELA DPL13 KV G1	EASTON	0.1
DELA DPL13 KV G10	DPL_ODEC	1.2
DELA DPL13 KV G2	DPL_ODEC	2.1
DELA DPL13 KV G2	EASTON	0.1
EAGLEGEN13 KV EGLE#1	HILLSDALE_PARKRIDGE	0.1
EAGLEGEN13 KV EGLE#1	PSEG	0.8
EAGLEGEN13 KV EGLE#2	HILLSDALE_PARKRIDGE	0.1
EAGLEGEN13 KV EGLE#2	PSEG	0.8
EAGLEGEN13 KV EGLE#3	HILLSDALE_PARKRIDGE	0.1
EAGLEGEN13 KV EGLE#3	PSEG	0.6
EBENSBUR13 KV NUG GE	PENELEC	9.9
EBENSBUR13 KV NUG GE	WELLSBORO	0.3
EDGEMOOR12 KV G10	DPL_ODEC	0.9
EDGEMOOR12 KV G10	EASTON	0.1
EDGEMOOR13 KV HAYRD1	DPL_ODEC	7.5
EDGEMOOR13 KV HAYRD1	EASTON	0.5
EDGEMOOR13 KV HAYRD1	LEWES DPL	0.1
EDGEMOOR13 KV HAYRD2	DPL_ODEC	7.6
EDGEMOOR13 KV HAYRD2	EASTON	0.5
EDGEMOOR13 KV HAYRD2	LEWES DPL	0.1
EDGEMOOR13 KV HAYRD3	DPL_ODEC	7.5
EDGEMOOR13 KV HAYRD3	EASTON	0.5
EDGEMOOR13 KV HAYRD3	LEWES DPL	0.1
EDGEMOOR13 KV HAYRD4	DPL_ODEC	10.7
EDGEMOOR13 KV HAYRD4	EASTON	0.8
EDGEMOOR13 KV HAYRD4	LEWES DPL	0.2
EDGEMOOR13 KV UNIT03	DPL_ODEC	5.8
EDGEMOOR13 KV UNIT03	EASTON	0.4
EDGEMOOR13 KV UNIT03	LEWES DPL	0.1
EDGEMOOR19 KV UNIT04	DPL_ODEC	11.7
EDGEMOOR19 KV UNIT04	EASTON	0.9
EDGEMOOR19 KV UNIT04	LEWES DPL	0.2
EDGEMOOR23 KV UNIT05	DPL_ODEC	27.3
EDGEMOOR23 KV UNIT05	EASTON	2

EDGEMOOR23 KV UNIT05	LEWES DPL	0.5
EPIKE 22 KV IUP	PENELEC	3.1
EPIKE 22 KV IUP	WELLSBORO	0.1
FAIRLAWN26 KV MRC GT	JCPL	0.1
FTMARTIN22 KV GEN 1	AEC - AP	3.4
FTMARTIN22 KV GEN 1	APS	69.6
FTMARTIN22 KV GEN 1	NEWMARTINSVILLE-AP	0.2
FTMARTIN22 KV GEN 2	AEC - AP	3.4
FTMARTIN22 KV GEN 2	APS	70.2
FTMARTIN22 KV GEN 2	NEWMARTINSVILLE-AP	0.2
GASTON4 14 KV G1	DOM	1.8
GASTON4 14 KV G2	DOM	1.8
GASTON4 14 KV G3	DOM	1.8
GASTON4 14 KV G4	DOM	1.8
GLOUCEST230 KV NATPRK	HILLSDALE_PARKRIDGE	0.1
GLOUCEST230 KV NATPRK	PSEG	0.6
GRANTTOW18 KV ABPP NUG	APS	9.5
GRANTTOW18 KV ABPP NUG	NEWMARTINSVILLE-AP	0.1
HALLBRAN115 KV G1	DOM	12.9
HARR APS20 KV GEN 1	AEC - AP	3.9
HARR APS20 KV GEN 1	APS	88
HARR APS20 KV GEN 1	NEWMARTINSVILLE-AP	0.2
HARR APS20 KV GEN 2	AEC - AP	3.9
HARR APS20 KV GEN 2	APS	88.2
HARR APS20 KV GEN 2	NEWMARTINSVILLE-AP	0.2
HARR APS20 KV GEN 3	AEC - AP	3.9
HARR APS20 KV GEN 3	APS	89.5
HARR APS20 KV GEN 3	NEWMARTINSVILLE-AP	0.2
HATFIELD18 KV GEN 1	APS	68.2
HATFIELD18 KV GEN 1	NEWMARTINSVILLE-AP	0.2
HATFIELD18 KV GEN 2	APS	16.1
HATFIELD18 KV GEN 2	NEWMARTINSVILLE-AP	0.1
HATFIELD18 KV GEN 3	APS	16.1
HATFIELD18 KV GEN 3	NEWMARTINSVILLE-AP	0.2
HOMERCIT20 KV UNIT 1	PENELEC	63.2
HOMERCIT20 KV UNIT 1	WELLSBORO	2.3
HOMERCIT20 KV UNIT 2	PENELEC	60.6
HOMERCIT20 KV UNIT 2	WELLSBORO	2.2
HOMERCIT24 KV UNIT 3	PENELEC	64.2
HOMERCIT24 KV UNIT 3	WELLSBORO	2.3
HOPECREE25 KV UNIT 1	HILLSDALE_PARKRIDGE	1
HOPECREE25 KV UNIT 1	PSEG	37.7

HURT 13.8 KV G12	DOM	16.3
KAMMER2 26 KV ML2	AEP W.O. MON POWER	17.5
KEYSTONE20 KV UNIT 1	AECO	1.7
KEYSTONE20 KV UNIT 1	BERLIN DPL	0.1
KEYSTONE20 KV UNIT 1	BGE	19.7
KEYSTONE20 KV UNIT 1	BRUNSWICK	0.2
KEYSTONE20 KV UNIT 1	CITIZENS	0.3
KEYSTONE20 KV UNIT 1	DEMEC	1.1
KEYSTONE20 KV UNIT 1	DOVER	0.7
KEYSTONE20 KV UNIT 1	DPL	2.2
KEYSTONE20 KV UNIT 1	DPL_ODEC	3.2
KEYSTONE20 KV UNIT 1	EASTON	0.3
KEYSTONE20 KV UNIT 1	EPHRATA	0.2
KEYSTONE20 KV UNIT 1	HILLSDALE_PARKRIDGE	0.2
KEYSTONE20 KV UNIT 1	JCPL	12.3
KEYSTONE20 KV UNIT 1	LEWES DPL	0.1
KEYSTONE20 KV UNIT 1	MOTIVA	0.1
KEYSTONE20 KV UNIT 1	NAAMANS	0.1
KEYSTONE20 KV UNIT 1	OLYPHANT	0.1
KEYSTONE20 KV UNIT 1	PECO	14.7
KEYSTONE20 KV UNIT 1	PERKASIE	0.1
KEYSTONE20 KV UNIT 1	PPL	6.2
KEYSTONE20 KV UNIT 1	PSEG	27.6
KEYSTONE20 KV UNIT 1	REDLION T1	0.1
KEYSTONE20 KV UNIT 1	VINELAND	0.6
KEYSTONE20 KV UNIT 2	AECO	1.7
KEYSTONE20 KV UNIT 2	BERLIN DPL	0.1
KEYSTONE20 KV UNIT 2	BGE	19.7
KEYSTONE20 KV UNIT 2	BRUNSWICK	0.2
KEYSTONE20 KV UNIT 2	CITIZENS	0.3
KEYSTONE20 KV UNIT 2	DEMEC	1.1
KEYSTONE20 KV UNIT 2	DOVER	0.7
KEYSTONE20 KV UNIT 2	DPL	2.2
KEYSTONE20 KV UNIT 2	DPL_ODEC	3.2
KEYSTONE20 KV UNIT 2	EASTON	0.3
KEYSTONE20 KV UNIT 2	EPHRATA	0.2
KEYSTONE20 KV UNIT 2	HILLSDALE_PARKRIDGE	0.2
KEYSTONE20 KV UNIT 2	JCPL	12.3
KEYSTONE20 KV UNIT 2	LEWES DPL	0.1
KEYSTONE20 KV UNIT 2	MOTIVA	0.1
KEYSTONE20 KV UNIT 2	NAAMANS	0.1
KEYSTONE20 KV UNIT 2	OLYPHANT	0.1

KEYSTONE20 KV UNIT 2	PECO	14.7
KEYSTONE20 KV UNIT 2	PERKASIE	0.1
KEYSTONE20 KV UNIT 2	PPL	6.2
KEYSTONE20 KV UNIT 2	PSEG	27.6
KEYSTONE20 KV UNIT 2	REDLION T1	0.1
KEYSTONE20 KV UNIT 2	VINELAND	0.6
KEYSTONE20 KV UNIT 3	HILLSDALE_PARKRIDGE	0.1
MANSFIEL17 KV UN1	CPP	10.5
MANSFIEL17 KV UN2	CPP	10.5
MANSFIEL17 KV UN3	CPP	10.5
MERCER 13 KV UNIT03	HILLSDALE_PARKRIDGE	0.2
MERCER 13 KV UNIT03	PSEG	1.4
MERCER 13 KV WHNUG	HILLSDALE_PARKRIDGE	0.1
MERCER 13 KV WHNUG	PSEG	0.4
MERCER 18 KV UNIT01	HILLSDALE_PARKRIDGE	0.5
MERCER 18 KV UNIT01	PSEG	3.3
MERCER 18 KV UNIT02	HILLSDALE_PARKRIDGE	0.5
MERCER 18 KV UNIT02	PSEG	5.4
MIDDLJCT69 KV LANC	METED	0.3
MISO	AEC - AP	3.1
MISO	AEP W.O. MON POWER	117.6
MISO	AK STEEL	0.7
MISO	AMP-OHIO	10.5
MISO	APS	139.1
MISO	BLUE RIDGE	4.3
MISO	BUCK-CIN	0.2
MISO	BUCK-FE	0.7
MISO	DAY	47.6
MISO	DUKEXP	56.5
MISO	HREA - AP	1.1
MISO	LIDA - AP	0.6
MISO	MON POWER	4
MISO	MONT ALTO - AP	0.1
MISO	NEWMARTINSVILLE-AP	0.3
MISO	PHILIPPI - AP	0.3
MISO	ROCK FALLS	4.7
MISO	TARENTUM - AP	0.4
N ILLINOIS HUB	COOK	200
NEWCASOE14 KV G3	DUQ	0.7
NEWCASOE14 KV G4	DUQ	0.7
NEWCASOE16 KV G5	DUQ	1
NEWCASOE23 KV EMDS-A	DUQ	0.1

NEWCASOE23 KV EMDS-B	DUQ	0.1
PEACHBOT22 KV UNIT02	DPL_ODEC	4.9
PEACHBOT22 KV UNIT02	EASTON	0.3
PEACHBOT22 KV UNIT02	LEWES DPL	0.1
PEACHBOT22 KV UNIT02	PSEG	19.2
PEACHBOT22 KV UNIT03	DPL_ODEC	4.9
PEACHBOT22 KV UNIT03	EASTON	0.3
PEACHBOT22 KV UNIT03	LEWES DPL	0.1
PEACHBOT22 KV UNIT03	PSEG	19.2
PENNMAR 22 KV YOUGH	PENELEC	1
PENNMAR 22 KV YOUGH	WELLSBORO	0.1
PLEA APS26 KV GEN 1	AEC - AP	3.1
PLEA APS26 KV GEN 2	AEC - AP	3.9
PORTLAND13 KV CT 5	METED	0.1
PORTLAND15 KV UNIT 2	METED	0.6
RIVESVIL11 KV GEN 5	APS	5.5
RIVESVIL11 KV GEN 5	NEWMARTINSVILLE-AP	0.1
RIVESVIL13 KV GEN 6	APS	10.9
RIVESVIL13 KV GEN 6	NEWMARTINSVILLE-AP	0.1
ROCKPOR226 KV RP1	AEP W.O. MON POWER	347.5
ROCKPOR226 KV RP1	AMP-OHIO	2.7
ROCKPOR226 KV RP1	BLUE RIDGE	12.9
ROCKPOR226 KV RP1	BUCK-CIN	0.6
ROCKPOR226 KV RP1	BUCK-FE	2.1
ROCKPOR226 KV RP1	DAY	2.9
ROCKPOR226 KV RP1	MON POWER	0.2
ROCKPOR226 KV RP2	AEP W.O. MON POWER	347.5
ROCKPOR226 KV RP2	AMP-OHIO	2.7
ROCKPOR226 KV RP2	BLUE RIDGE	12.9
ROCKPOR226 KV RP2	BUCK-CIN	0.6
ROCKPOR226 KV RP2	BUCK-FE	2.1
ROCKPOR226 KV RP2	DAY	2.9
ROCKPOR226 KV RP2	MON POWER	0.2
SALEM 13 KV SALEM3	DPL_ODEC	0.2
SALEM 13 KV SALEM3	HILLSDALE_PARKRIDGE	0.1
SALEM 13 KV SALEM3	PSEG	0.6
SALEM 25 KV SALEM1	DPL_ODEC	4.9
SALEM 25 KV SALEM1	EASTON	0.3
SALEM 25 KV SALEM1	HILLSDALE_PARKRIDGE	0.6
SALEM 25 KV SALEM1	LEWES DPL	0.1
SALEM 25 KV SALEM1	PSEG	18.1
SALEM 25 KV SALEM2	DPL_ODEC	4.9

SALEM 25 KV SALEM2	EASTON	0.3
SALEM 25 KV SALEM2	HILLSDALE_PARKRIDGE	0.6
SALEM 25 KV SALEM2	LEWES DPL	0.1
SALEM 25 KV SALEM2	PSEG	18.1
SAMMISFE138 KV SL91	AMP-ATSI OH	0.2
SAMMISFE138 KV SL91	CPP	0.1
SAMMISFE138 KV SL91	FE OHIO	0.3
SAMMISFE19 KV SH30	CPP	2.2
SAMMISFE19 KV SH40	CPP	2.2
SAMMISFE19 KV SH60	CPP	7.5
SAMMISFE19 KV SH70	CPP	7.5
SAMMISFE19 KV SL10	AMP-ATSI OH	2.9
SAMMISFE19 KV SL10	CPP	2.5
SAMMISFE19 KV SL10	FE OHIO	20.7
SAMMISFE19 KV SL20	AMP-ATSI OH	2.9
SAMMISFE19 KV SL20	CPP	2.5
SAMMISFE19 KV SL20	FE OHIO	20.7
SAMMISFE23.4 KV SH50	CPP	3.6
SEWARD 22 KV UNIT1	PENELEC	40.4
SEWARD 22 KV UNIT1	WELLSBORO	1.5
TANNERSC18 KV TC3	AEP W.O. MON POWER	19.6
TANNERSC18 KV TC3	BUCK-FE	0.2
TANNERSC20 KV TC4	AEP W.O. MON POWER	22.6
TANNERSC20 KV TC4	BUCK-FE	0.5
TIMBLIN 34 KV RINGLD	PENELEC	0.4
TMI 20 KV UNIT01	METED	4.7
TMI 20 KV UNIT01	PENELEC	0.1
TRENTON 138 KV TDEC	HILLSDALE_PARKRIDGE	0.1
WALDWICK JK	HUDSON-LINDEN ABC	238.9
WESTDPL 12 KV G1	DPL_ODEC	1
WESTDPL 12 KV G1	EASTON	0.1
YARDSCRE14 KV UNIT01	PSEG	9.9
YARDSCRE14 KV UNIT02	PSEG	9.9
YARDSCRE14 KV UNIT03	PSEG	8.5