

PJM 2018/2019 Stage 1A Over Allocation Notice

This document is to inform PJM members that Stage 1A of the 2018/2019 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 2018/2019 Annual ARR Allocation and all FTR Auctions effective for the 2018/2019 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
0404 Quad Cities-H471 I/o 15503 Cordova-Nelson 345 kV		270	M2M Flowgate	Network Load
0621 Byron-Cherry Valley 345 kV I/o 0622 Byron-Cherry Valley 345 kV		451	M2M Flowgate	Network Load
0622 Byron-Cherry Valley 345 kV I/o 0621 Byron-Cherry Valley 345 kV		500	M2M Flowgate	Network Load
132 GARD138 KV 13219	L345.155 Nelson-H471.15504	130	Internal PJM	Transmission Outage
132 GARD138 KV 15518 Z1	155 Nelson-H471 (15504) 345 kV	189	Internal PJM	Transmission Outage
155 NELS345 KV TR84CT-P	Nelson-Electric Junction 345kV (15502 line)	23	Internal PJM	Transmission Outage
155 Nelson TR82 345/138kV I/o Nelson - 15507 - Dixon 138kV		7	M2M Flowgate	Network Load
15518 138 KV 15518 2	Sterling Steel-Nelson 345 kV	183	Internal PJM	Transmission Outage
15616 Cherry Valley-Silver Lake I/o 15502 Nelson-Electric Jct.		29	M2M Flowgate	Network Load
15627-Glidden 138 kV I/o Cherry Valley-Silver Lake 345 kV		24	M2M Flowgate	Network Load
6101 line-Hennepin 138kV I/o Mazon-Crescent Rid-Oglesby 38kV		31	M2M Flowgate	Network Load
6101-Hennepin 138 I/o Princetp 138 Sub		52	M2M Flowgate	Network Load
6101HennepinTap-Hennepin 138 kV I/o Havana-Powerton-Danvers 138 kV		48	M2M Flowgate	Network Load
6101Tap - Hennepin 138 kV I/o Nelson - Electric Junction 345 kV		42	M2M Flowgate	Network Load
7713-Mazon I/o L0112 Kickapoo Creek-Lasalle		11	M2M Flowgate	Transmission Outage

Equipment Name	Contingency Description	Required MW Increase in Capability Limits	Type	Reason for Infeasibility
83 Glidden-15627 138 kV I/o Nelson-Electric Junction 345 kV		21	M2M Flowgate	Network Load
Batesville-Hubble 138 I/o Tanners Crk-Miami Fort 345		69	M2M Flowgate	Network Load
BRADFORD230 KV BRA-NEW2	NEWLINVILLE-BRADFORD 220-33	13	Internal PJM	Transmission Outage
BRADFORD230 KV BRA-NEW3	NEWLINVILLE-BRADFORD 220-32	13	Internal PJM	Transmission Outage
Braidwood-East Frankfurt 2001 345 I/o Braidwood-East Frankfurt 2003 345		52	M2M Flowgate	Network Load
Byron-Cherry Valley 0621 345kV I/o Nelson-Electric Junction 15502 345kV		30	M2M Flowgate	Transmission Outage
Cherry Valley TR82 345/138 kV xfmr I/o Cherry Valley-Silver Lake 345 kV line		50	M2M Flowgate	Network Load
Cherry Valley-Silver Lake (15616) 345 kV line		11	M2M Flowgate	Network Load
CLAYTNAE69 KV CLA-WOO	L230.Bridgeport-Mickleton.2315	4	Internal PJM	Transmission Outage
Crescent-7713 138 I/o Kewanee-Streator 6101 138		11	M2M Flowgate	Network Load
Davnprt-E. Calamus 161 kV I/o Quad Cities-Rock Crk 345 KV		37	M2M Flowgate	Network Load
DEERCREE138 KV DEE-DOO	L765.HangingRock-Jefferson	351	Internal PJM	Transmission Outage
Dixon-McGirr Rd 138 kV I/o Nelson-Electric Jct 345 kV		19	M2M Flowgate	Network Load
DOOVILLE138 KV DOO-HUM	L765.HangingRock-Jefferson	355	Internal PJM	Transmission Outage
EMILIE 138 KV EMI-ROL	L230.Croydon-Burlington.D-220-30	68	Internal PJM	Transmission Outage
EMILIE 138 KV EMI-ROL	L500.Centerpoint-Eloy.5033	61	Internal PJM	Transmission Outage
EMILIE 138 KV EMI-ROL		41	Internal PJM	Transmission Outage
FRUITLAN69 KV FRT-LOR	L138.Loretto-Vienna.13780	30	Internal PJM	Transmission Outage
FRUITLAN69 KV FRT-PEM	L138.Loretto-Vienna.13780	91	Internal PJM	Transmission Outage
GRACETON230 KV GRA-SAF	Hunterstown-Conastone 500 KV	3	Internal PJM	Transmission Outage
GRACETON230 KV GRA-SAF		2	Internal PJM	Transmission Outage
Greentown TRF1 765/138 kV I/o HangingRock-Baker 765kV		393	M2M Flowgate	Transmission Outage
Greentown 765 138 T1 flo Greentown Dumont 765 kv line and Greentown T2		360	M2M Flowgate	Transmission Outage
Greentown-Delco 138 kV I/o Greentown-Chrysler 138 kV		185	M2M Flowgate	Transmission Outage
Havana E-Havana S 138 kV I/o Duck Creek-Maple Ridge 345 kV		37	Pseudo Tie Flowgate	Network Load
HavanaS-Mason City West 138 I/o Duck Creek-Maple Rid 345		35	M2M Flowgate	Network Load
Henepin-LTV Steel IP 1512 I/o KickapooCreek Lasal 138		8	M2M Flowgate	Network Load
HUMMELCR138 KV HUM-GRE1	L765.HangingRock-Jefferson	619	Internal PJM	Transmission Outage
HUMMELCR138 KV HUM-ROC1	L765.HangingRock-Jefferson	85	Internal PJM	Transmission Outage
HUNTINGT138 KV HUN-HUN1	Jefferson-Hanging Rock 765 kV line	164	Internal PJM	Transmission Outage
HUNTINGT138 KV HUN-SOR1	L765.HangingRock-Jefferson	584	Internal PJM	Transmission Outage
HUNTINGT138 KV HUN-SOR1		49	Internal PJM	Transmission Outage
Kewanee-6101 138 I/o Oglesby Tap 138 sub		13	M2M Flowgate	Network Load
Labadie-GraySummit 2 345 kV I/o Labadie-GraySummit 1 345 kV		49	Pseudo Tie Flowgate	Network Load
Lakeview-Zion 138 I/o Pleasant Prairie-Zion 345+Pleasant Prairie-Zion EC 345		32	M2M Flowgate	Network Load
LORETTO 138 KV AT1	L138.Loretto-Vienna.13780	13	Internal PJM	Transmission Outage
Macomb-Ipva 138 kV I/o Frederck-Meredosa 138+Frederck TR 138/69 kV		7	Pseudo Tie Flowgate	Network Load
Mercer IP-Sandburg 161 kV I/o Cherry Valley-Silver Lake 345 kV		26	M2M Flowgate	Network Load
Mercer IP-Sandburg 161 kV I/o Cordova-Nelson 345 kV		14	M2M Flowgate	Network Load
Mercer IP-Sandburg 161 kV I/o Nelson-Electric Junction 345kV		24	M2M Flowgate	Network Load
Mercer IP-Sandburg 161 kV I/o Sterling Steel-Nelson 345 kV		33	M2M Flowgate	Network Load
Miami Fort 345/138 Xfm flo East Bend-Terminal 345		45	M2M Flowgate	Network Load
Michigan City-Bosserman 138 I/o Michigan City-Trail Creek 138		6	M2M Flowgate	Network Load
Monroe-Bayshore 345 kV I/o Allen Jct-Morocco 345 kV		132	M2M Flowgate	Network Load
Montgomery Enon Tap 345kV flo Labadie_Montgomery 345kV		46	M2M Flowgate	Network Load
Nelson TR 84 loss of Nelson - H471 15504 345kV		111	M2M Flowgate	Transmission Outage
Norris-Crossville 138kV I/o Newton-Xenia 345kV		7	M2M Flowgate	Transmission Outage
NSAUSBU69 KV NSA-PEM	L138.Loretto-Vienna.13780	103	Internal PJM	Transmission Outage
Oak Grove-Mercer 161 kV I/o Nelson-Electric Junction 345 kV		20	M2M Flowgate	Network Load
Paradise-Big River Tap I/o Wilson1		13	M2M Flowgate	Network Load
PERSON4 230 KV 296C		17	Internal PJM	Transmission Outage
Pierce-Foster 345		199	M2M Flowgate	Network Load
PTDF Sandburg-SouthSST 138 kV Basecase		100	M2M Flowgate	Network Load
RICH PE 230 KV RIC-WAN	L500.HopeCreek-RedLion.5015	138	Internal PJM	Transmission Outage
RICH PE 230 KV RIC-WAN		118	Internal PJM	Transmission Outage
Rising 345/138 kV xfmr 1 I/o Wilton Center-Dumont 765 kV		3	M2M Flowgate	Transmission Outage
ROCKCREE138 KV ROC-HUN1	L765.HangingRock-Jefferson	84	Internal PJM	Transmission Outage
ROLL PE 138 KV ROL-STE	L230.Croydon-Burlington.D-220-30	58	Internal PJM	Transmission Outage
ROLL PE 138 KV ROL-STE		33	Internal PJM	Transmission Outage
Sandburg-SouthSST 138kV I/o CORDOVA-NELSON 345kV		86	M2M Flowgate	Network Load
State Line-Wolf Lake 138 I/o Wilton Center-Dumont 765		3	M2M Flowgate	Transmission Outage

Listed below are the aggregate MW quantities, by source and sinks, of infeasible ARR in Stage 1A of the 2018/2019 Annual ARR Allocation.

Source	Sink	Infeasible MW Quantity
1 LASALL24 KV LA-1	BATAVIA	4.9
1 LASALL24 KV LA-1	COMED	2.9
1 LASALL24 KV LA-1	COMED_RESID_AGG	896
1 LASALL24 KV LA-1	GENEVA	3.2
1 LASALL24 KV LA-1	NAPERVILLE	18.4
1 LASALL24 KV LA-1	ST. CHARLES	6.6
1 LASALL24 KV LA-2	BATAVIA	2
1 LASALL24 KV LA-2	COMED	2.9
1 LASALL24 KV LA-2	COMED_RESID_AGG	972.6
1 LASALL24 KV LA-2	GENEVA	3.2
1 LASALL24 KV LA-2	NAPERVILLE	18.4
1 LASALL24 KV LA-2	ST. CHARLES	6.6
107 DIXO138 KV DIXONLEE	COMED_RESID_AGG	2.1
107 DIXO138 KV SUBLETTE	BATAVIA	0.1
107 DIXO138 KV SUBLETTE	COMED_RESID_AGG	2.3
4 QUAD C18 KV QC-1	BATAVIA	2.7
4 QUAD C18 KV QC-1	COMED	1.5
4 QUAD C18 KV QC-1	COMED_RESID_AGG	593.1
4 QUAD C18 KV QC-1	GENEVA	1.7
4 QUAD C18 KV QC-1	N ILLINOIS HUB	113.6
4 QUAD C18 KV QC-1	NAPERVILLE	10.1
4 QUAD C18 KV QC-1	ROCHELLE	0.8
4 QUAD C18 KV QC-1	ST. CHARLES	3.6
4 QUAD C18 KV QC-2	BATAVIA	2.7
4 QUAD C18 KV QC-2	COMED	1.5
4 QUAD C18 KV QC-2	COMED_RESID_AGG	593.1
4 QUAD C18 KV QC-2	GENEVA	1.7
4 QUAD C18 KV QC-2	N ILLINOIS HUB	265.1
4 QUAD C18 KV QC-2	NAPERVILLE	10.1
4 QUAD C18 KV QC-2	ROCHELLE	0.8
4 QUAD C18 KV QC-2	ST. CHARLES	3.6
6 BYRON 25 KV BY-1	BATAVIA	2.1
6 BYRON 25 KV BY-1	COMED	1.4
6 BYRON 25 KV BY-1	COMED_RESID_AGG	514
6 BYRON 25 KV BY-1	GENEVA	1.4
6 BYRON 25 KV BY-1	N ILLINOIS HUB	56.2
6 BYRON 25 KV BY-1	NAPERVILLE	8.1

Source	Sink	Infeasible MW Quantity
6 BYRON 25 KV BY-1	ROCHELLE	0.9
6 BYRON 25 KV BY-1	ST. CHARLES	2.9
6 BYRON 25 KV BY-2	BATAVIA	2.1
6 BYRON 25 KV BY-2	COMED	1.3
6 BYRON 25 KV BY-2	COMED_RESID_AGG	499.8
6 BYRON 25 KV BY-2	GENEVA	1.4
6 BYRON 25 KV BY-2	N ILLINOIS HUB	131.1
6 BYRON 25 KV BY-2	NAPERVILLE	7.9
6 BYRON 25 KV BY-2	ROCHELLE	0.9
6 BYRON 25 KV BY-2	ST. CHARLES	2.8
937 LEE 13.5 KV LEE31-1	BATAVIA	0.1
937 LEE 13.5 KV LEE31-1	COMED_RESID_AGG	26.7
937 LEE 13.5 KV LEE31-1	NAPERVILLE	0.4
937 LEE 13.5 KV LEE31-1	ST. CHARLES	0.2
937 LEE 13.5 KV LEE31-2	BATAVIA	0.1
937 LEE 13.5 KV LEE31-2	COMED_RESID_AGG	26.7
937 LEE 13.5 KV LEE31-2	NAPERVILLE	0.4
937 LEE 13.5 KV LEE31-2	ST. CHARLES	0.2
937 LEE 13.5 KV LEE32-1	COMED_RESID_AGG	12.1
937 LEE 13.5 KV LEE32-1	NAPERVILLE	0.2
937 LEE 13.5 KV LEE32-2	COMED_RESID_AGG	12.1
937 LEE 13.5 KV LEE32-2	NAPERVILLE	0.2
937 LEE 13.5 KV LEE33-1	BATAVIA	0.1
937 LEE 13.5 KV LEE33-1	COMED_RESID_AGG	25.9
937 LEE 13.5 KV LEE33-1	NAPERVILLE	0.4
937 LEE 13.5 KV LEE33-1	ST. CHARLES	0.2
937 LEE 13.5 KV LEE33-2	BATAVIA	0.1
937 LEE 13.5 KV LEE33-2	COMED_RESID_AGG	25.9
937 LEE 13.5 KV LEE33-2	NAPERVILLE	0.4
937 LEE 13.5 KV LEE33-2	ST. CHARLES	0.2
937 LEE 13.5 KV LEE34-1	COMED_RESID_AGG	12.1
937 LEE 13.5 KV LEE34-1	NAPERVILLE	0.2
937 LEE 13.5 KV LEE34-2	COMED_RESID_AGG	12.1
937 LEE 13.5 KV LEE34-2	NAPERVILLE	0.2
940 CORD18 KV CD-1	BATAVIA	0.5
940 CORD18 KV CD-1	COMED	0.3
940 CORD18 KV CD-1	COMED_RESID_AGG	102.7
940 CORD18 KV CD-1	GENEVA	0.3
940 CORD18 KV CD-1	NAPERVILLE	1.8

Source	Sink	Infeasible MW Quantity
940 CORD18 KV CD-1	ROCHELLE	0.1
940 CORD18 KV CD-1	ST. CHARLES	0.6
940 CORD18 KV CD-2	BATAVIA	0.5
940 CORD18 KV CD-2	COMED	0.3
940 CORD18 KV CD-2	COMED_RESID_AGG	102.5
940 CORD18 KV CD-2	GENEVA	0.3
940 CORD18 KV CD-2	NAPERVILLE	1.8
940 CORD18 KV CD-2	ROCHELLE	0.1
940 CORD18 KV CD-2	ST. CHARLES	0.6
941 GRND34.5 KV GRIDG4WF	COMED	0.1
941 GRND34.5 KV GRIDG4WF	COMED_RESID_AGG	4.4
941 GRND34.5 KV GRIDG4WF	GENEVA	0.1
941 GRND34.5 KV GRIDG4WF	ROCHELLE	0.1
941 GRND34.5 KV GRIDG4WF	ST. CHARLES	0.1
941 GRND34.5 KV GRIDGEWF	COMED	0.1
941 GRND34.5 KV GRIDGEWF	COMED_RESID_AGG	10.6
941 GRND34.5 KV GRIDGEWF	GENEVA	0.1
941 GRND34.5 KV GRIDGEWF	NAPERVILLE	0.3
941 GRND34.5 KV GRIDGEWF	ROCHELLE	0.1
941 GRND34.5 KV GRIDGEWF	ST. CHARLES	0.1
959ERDBS34.5 KV BSWFBRS1	COMED_RESID_AGG	9.1
959ERDBS34.5 KV BSWFBRS1	NAPERVILLE	0.2
ADKINS 13.8 KV GT1	DAY	0.1
ADKINS 13.8 KV GT1	DAY_RESID_AGG	10.2
ADKINS 13.8 KV GT2	DAY	0.1
ADKINS 13.8 KV GT2	DAY_RESID_AGG	10.3
ADKINS 13.8 KV GT3	DAY	0.1
ADKINS 13.8 KV GT3	DAY_RESID_AGG	10.2
ADKINS 13.8 KV GT4	DAY	0.1
ADKINS 13.8 KV GT4	DAY_RESID_AGG	10.2
ADKINS 13.8 KV GT5	DAY	0.1
ADKINS 13.8 KV GT5	DAY_RESID_AGG	10.2
ADKINS 13.8 KV GT6	DAY	0.1
ADKINS 13.8 KV GT6	DAY_RESID_AGG	9.9
AMOS 26 KV AM1	AEPIM_RESID_AGG	97.7
AMOS 26 KV AM1	BUCKEYE - DPL	1.1
AMOS 26 KV AM1	MERIDIAN EWHITLEY	1.1
AMOS 26 KV AM2	AEPIM_RESID_AGG	1.6
AMOS 26 KV AM3	AEPIM_RESID_AGG	169.5

Source	Sink	Infeasible MW Quantity
AMOS 26 KV AM3	BUCKEYE - DPL	1.8
AMOS 26 KV AM3	MERIDIAN EWHITLEY	1.9
BIGSANDY22 KV BS1	AEPIM_RESID_AGG	0.3
BIGSANDY22 KV BS1	MERIDIAN EWHITLEY	0.3
BLUECREE34.5 KV BLUEC3WF	AMP-ATSI OH	0.2
BRIDGEPO22 KV LOGAN	AECO	0.9
BRIDGEPO22 KV LOGAN	AECO_RESID_AGG	6.8
BRIDGEPO22 KV LOGAN	VINELAND_RESID_AGG	0.3
BURLINGT13 KV UNIT121	PSEG_RESID_AGG	17.1
BURLINGT13 KV UNIT122	PSEG_RESID_AGG	17.1
BURLINGT13 KV UNIT123	PSEG_RESID_AGG	17.1
BURLINGT13 KV UNIT124	PSEG_RESID_AGG	17.1
CAMDENGN13 KV CMDN#2	BRUNSWICK	0.1
CAMDENGN13 KV CMDN#2	HILLSDALE_PARKRIDGE	0.1
CAMDENGN13 KV CMDN#2	PSEG_RESID_AGG	38.3
CHAMBERS23 KV CCLPGEN	AECO	2.1
CHAMBERS23 KV CCLPGEN	AECO_RESID_AGG	7.3
CHAMBERS23 KV CCLPGEN	VINELAND_RESID_AGG	0.4
CLIFTYCR15.5 KV CC1	AEPOHIO W.O. MON POWER	155.9
CLIFTYCR15.5 KV CC1	APS_RESID_AGG	47.1
CLIFTYCR15.5 KV CC1	BUCKEYE - AEPIM	2.9
CLIFTYCR15.5 KV CC1	BUCKEYE - AEPOH	96.8
CLIFTYCR15.5 KV CC1	BUCKEYE - DPL	0.9
CLIFTYCR15.5 KV CC1	DAY	0.5
CLIFTYCR15.5 KV CC1	DAY_RESID_AGG	39.8
CLIFTYCR15.5 KV CC1	HREA - AP	0.2
CLIFTYCR15.5 KV CC1	LIDA - AP	0.1
CLIFTYCR15.5 KV CC1	MON POWER	2.1
CLIFTYCR15.5 KV CC1	MONT ALTO - AP	0.1
CLIFTYCR15.5 KV CC1	NEWMARTINSVILLE-AP	0.1
CLIFTYCR15.5 KV CC1	PHILIPPI - AP	0.1
CLOVER 25 KV G1	DOM_RESID_AGG	22.5
CLOVER 25 KV G2	DOM_RESID_AGG	22.1
CONESVIL26 KV CV4	DAY	0.7
CONESVIL26 KV CV4	DAY_RESID_AGG	62.8
CONESVIL26 KV CV4	DEOK	0.1
CONESVIL26 KV CV4	DEOK_RESID_AGG	85.7
CONESVIL26 KV CV4	WILLIAMSTOWN	0.1
CONOWING13 KV G11	PECO_RESID_AGG	0.2

Source	Sink	Infeasible MW Quantity
CONOWING13 KV GEN1	PECO_RESID_AGG	0.2
CONOWING13 KV GEN2	PECO_RESID_AGG	0.2
CONOWING13 KV GEN3	PECO_RESID_AGG	0.2
CONOWING13 KV GEN4	PECO_RESID_AGG	0.2
CONOWING13 KV GEN5	PECO_RESID_AGG	0.2
CONOWING13 KV GEN6	PECO_RESID_AGG	0.2
CONOWING13 KV GEN8	PECO_RESID_AGG	0.2
CONOWING13 KV GEN9	PECO_RESID_AGG	0.2
CONOWING13 KV UNIT07	PECO_RESID_AGG	0.2
COOK 26 KV CK1	AEPAPCO_RESID_AGG	1.7
COOK 26 KV CK1	AEPKY_RESID_AGG	16.3
COOK 26 KV CK1	AEPOHIO W.O. MON POWER	149.4
COOK 26 KV CK1	AMP-OHIO	1.9
COOK 26 KV CK1	BLUE RIDGE	4.2
COOK 26 KV CK1	BUCKEYE - AEPOH	4.1
COOK 26 KV CK1	BUCKEYE - DPL	1.5
COOK 26 KV CK1	BUCK-FE	1
COOK 26 KV CK2	AEPAPCO_RESID_AGG	0.9
COOK 26 KV CK2	AEPKY_RESID_AGG	6.9
COOK 26 KV CK2	AEPOHIO W.O. MON POWER	160.5
COOK 26 KV CK2	AMP-OHIO	1.6
COOK 26 KV CK2	BLUE RIDGE	1.8
COOK 26 KV CK2	BUCKEYE - AEPOH	3.6
COOK 26 KV CK2	BUCKEYE - DPL	1.6
COOK 26 KV CK2	BUCK-FE	1
COOP_EK 13.8 KV COOPER01	EKPC_RESID_AGG	1.7
COOP_EK 13.8 KV COOPER01	EKPC-DEOK LOAD	0.9
COOP_EK 20 KV COOPER02	EKPC_RESID_AGG	3.2
COOP_EK 20 KV COOPER02	EKPC-DEOK LOAD	1.7
CORNU 18 KV 1GT1	AEPAPCO_RESID_AGG	0.1
CORNU 18 KV 1GT1	AEPIM_RESID_AGG	28.1
CORNU 18 KV 1GT1	AEPOHIO W.O. MON POWER	27.1
CORNU 18 KV 1GT1	AMP-OHIO	0.4
CORNU 18 KV 1GT1	BLUE RIDGE	0.8
CORNU 18 KV 1GT1	BUCKEYE - AEPOH	0.8
CORNU 18 KV 1GT1	BUCKEYE - DPL	0.5
CORNU 18 KV 1GT1	MERIDIAN EWHITLEY	0.3
CORNU 18 KV 1GT2	AEPAPCO_RESID_AGG	0.1
CORNU 18 KV 1GT2	AEPIM_RESID_AGG	28.1

Source	Sink	Infeasible MW Quantity
CORNU 18 KV 1GT2	AEPOHIO W.O. MON POWER	27.4
CORNU 18 KV 1GT2	AMP-OHIO	0.4
CORNU 18 KV 1GT2	BLUE RIDGE	0.8
CORNU 18 KV 1GT2	BUCKEYE - AEPOH	0.8
CORNU 18 KV 1GT2	BUCKEYE - DPL	0.5
CORNU 18 KV 1GT2	MERIDIAN EWHITLEY	0.3
CORNU 18 KV 2GT1	AEPAPCO_RESID_AGG	0.1
CORNU 18 KV 2GT1	AEPIM_RESID_AGG	28.1
CORNU 18 KV 2GT1	AEPOHIO W.O. MON POWER	28.7
CORNU 18 KV 2GT1	AMP-OHIO	0.4
CORNU 18 KV 2GT1	BLUE RIDGE	0.7
CORNU 18 KV 2GT1	BUCKEYE - AEPOH	0.8
CORNU 18 KV 2GT1	BUCKEYE - DPL	0.5
CORNU 18 KV 2GT1	MERIDIAN EWHITLEY	0.3
CORNU 18 KV 2GT2	AEPAPCO_RESID_AGG	0.1
CORNU 18 KV 2GT2	AEPIM_RESID_AGG	28.2
CORNU 18 KV 2GT2	AEPOHIO W.O. MON POWER	28.4
CORNU 18 KV 2GT2	AMP-OHIO	0.4
CORNU 18 KV 2GT2	BLUE RIDGE	0.7
CORNU 18 KV 2GT2	BUCKEYE - AEPOH	0.8
CORNU 18 KV 2GT2	BUCKEYE - DPL	0.5
CORNU 18 KV 2GT2	MERIDIAN EWHITLEY	0.3
CORNU 18 KV ST1	AEPAPCO_RESID_AGG	0.1
CORNU 18 KV ST1	AEPIM_RESID_AGG	29.4
CORNU 18 KV ST1	AEPOHIO W.O. MON POWER	29.3
CORNU 18 KV ST1	AMP-OHIO	0.4
CORNU 18 KV ST1	BLUE RIDGE	0.7
CORNU 18 KV ST1	BUCKEYE - AEPOH	0.8
CORNU 18 KV ST1	BUCKEYE - DPL	0.5
CORNU 18 KV ST1	MERIDIAN EWHITLEY	0.3
CORNU 18 KV ST2	AEPAPCO_RESID_AGG	0.1
CORNU 18 KV ST2	AEPIM_RESID_AGG	29.6
CORNU 18 KV ST2	AEPOHIO W.O. MON POWER	29.4
CORNU 18 KV ST2	AMP-OHIO	0.4
CORNU 18 KV ST2	BLUE RIDGE	0.7
CORNU 18 KV ST2	BUCKEYE - AEPOH	0.8
CORNU 18 KV ST2	BUCKEYE - DPL	0.5
CORNU 18 KV ST2	MERIDIAN EWHITLEY	0.3
COVERT 16 KV 1GTG	AEPAPCO_RESID_AGG	2.8

Source	Sink	Infeasible MW Quantity
COVERT 16 KV 1GTG	AEPIM_RESID_AGG	55.3
COVERT 16 KV 1GTG	AEPOHIO W.O. MON POWER	103.8
COVERT 16 KV 1GTG	BLUE RIDGE	1.4
COVERT 16 KV 1GTG	BUCKEYE - AEPOH	7.6
COVERT 16 KV 1GTG	BUCKEYE - DPL	2.4
CROYDON 13 KV UNIT11	PECO	1.8
CROYDON 13 KV UNIT11	PECO_RESID_AGG	13.1
CROYDON 13 KV UNIT12	PECO	1.8
CROYDON 13 KV UNIT12	PECO_RESID_AGG	13.1
CROYDON 13 KV UNIT21	PECO	1.8
CROYDON 13 KV UNIT21	PECO_RESID_AGG	13.1
CROYDON 13 KV UNIT22	PECO	1.8
CROYDON 13 KV UNIT22	PECO_RESID_AGG	13.1
CROYDON 13 KV UNIT31	PECO	1.8
CROYDON 13 KV UNIT31	PECO_RESID_AGG	13.1
CROYDON 13 KV UNIT32	PECO	1.7
CROYDON 13 KV UNIT32	PECO_RESID_AGG	12.9
CROYDON 13 KV UNIT41	PECO	1.8
CROYDON 13 KV UNIT41	PECO_RESID_AGG	13.1
CROYDON 13 KV UNIT42	PECO	1.8
CROYDON 13 KV UNIT42	PECO_RESID_AGG	13.1
DLTAPLNT13.8 KV GEN1	AMP-ATSI OH	0.5
DLTAPLNT13.8 KV GEN1	BGE	0.2
DLTAPLNT13.8 KV GEN1	BGE_RESID_AGG	1.3
DLTAPLNT13.8 KV GEN1	CPP	0.1
DLTAPLNT13.8 KV GEN1	DEOK_RESID_AGG	11.6
DLTAPLNT13.8 KV GEN1	FEOHIO_RESID_AGG	8.9
DLTAPLNT13.8 KV GEN1	PEPCO DC	0.3
DLTAPLNT13.8 KV GEN1	PEPCO MD	0.5
DLTAPLNT13.8 KV GEN1	SMECO_RESID_AGG	0.2
DLTAPLNT13.8 KV GEN2	AMP-ATSI OH	0.5
DLTAPLNT13.8 KV GEN2	BGE	0.2
DLTAPLNT13.8 KV GEN2	BGE_RESID_AGG	1.4
DLTAPLNT13.8 KV GEN2	CPP	0.1
DLTAPLNT13.8 KV GEN2	DEOK_RESID_AGG	12.5
DLTAPLNT13.8 KV GEN2	FEOHIO_RESID_AGG	9.6
DLTAPLNT13.8 KV GEN2	PEPCO DC	0.3
DLTAPLNT13.8 KV GEN2	PEPCO MD	0.6
DLTAPLNT13.8 KV GEN2	SMECO_RESID_AGG	0.2

Source	Sink	Infeasible MW Quantity
DLTAPLNT13.8 KV GEN3	AMP-ATSI OH	0.5
DLTAPLNT13.8 KV GEN3	BGE	0.2
DLTAPLNT13.8 KV GEN3	BGE_RESID_AGG	1.4
DLTAPLNT13.8 KV GEN3	CPP	0.1
DLTAPLNT13.8 KV GEN3	DEOK_RESID_AGG	12.5
DLTAPLNT13.8 KV GEN3	FEOHIO_RESID_AGG	9.6
DLTAPLNT13.8 KV GEN3	PEPCO DC	0.3
DLTAPLNT13.8 KV GEN3	PEPCO MD	0.6
DLTAPLNT13.8 KV GEN3	SMECO_RESID_AGG	0.2
DLTAPLNT18 KV GEN4	AMP-ATSI OH	0.8
DLTAPLNT18 KV GEN4	BGE	0.4
DLTAPLNT18 KV GEN4	BGE_RESID_AGG	2.3
DLTAPLNT18 KV GEN4	CPP	0.2
DLTAPLNT18 KV GEN4	DEOK_RESID_AGG	19.7
DLTAPLNT18 KV GEN4	FEOHIO_RESID_AGG	14.9
DLTAPLNT18 KV GEN4	PEPCO DC	0.9
DLTAPLNT18 KV GEN4	PEPCO MD	1.1
DLTAPLNT18 KV GEN4	SMECO_RESID_AGG	0.3
EAGLEGEN13 KV EGLE#1	PSEG_RESID_AGG	15.7
EAGLEGEN13 KV EGLE#2	PSEG_RESID_AGG	15.7
EAGLEGEN13 KV EGLE#3	PSEG_RESID_AGG	7.7
EBEND 20 KV EB2	DAY	1.4
EBEND 20 KV EB2	DAY_RESID_AGG	88.2
EDGEMOOR13 KV HAYRD5	AMP-ATSI OH	0.7
EDGEMOOR13 KV HAYRD5	BGE	0.5
EDGEMOOR13 KV HAYRD5	BGE_RESID_AGG	2.2
EDGEMOOR13 KV HAYRD5	CPP	0.2
EDGEMOOR13 KV HAYRD5	DEOK_RESID_AGG	15
EDGEMOOR13 KV HAYRD5	FEOHIO_RESID_AGG	11.7
EDGEMOOR13 KV HAYRD5	PEPCO DC	1.1
EDGEMOOR13 KV HAYRD5	PEPCO MD	1.2
EDGEMOOR13 KV HAYRD5	SMECO_RESID_AGG	0.4
EDGEMOOR13 KV HAYRD6	AMP-ATSI OH	0.7
EDGEMOOR13 KV HAYRD6	BGE	0.5
EDGEMOOR13 KV HAYRD6	BGE_RESID_AGG	2.2
EDGEMOOR13 KV HAYRD6	CPP	0.2
EDGEMOOR13 KV HAYRD6	DEOK_RESID_AGG	15
EDGEMOOR13 KV HAYRD6	FEOHIO_RESID_AGG	11.6
EDGEMOOR13 KV HAYRD6	PEPCO DC	1.1

Source	Sink	Infeasible MW Quantity
EDGEMOOR13 KV HAYRD6	PEPCO MD	1.2
EDGEMOOR13 KV HAYRD6	SMECO_RESID_AGG	0.4
EDGEMOOR13 KV HAYRD7	AMP-ATSI OH	0.7
EDGEMOOR13 KV HAYRD7	BGE	0.5
EDGEMOOR13 KV HAYRD7	BGE_RESID_AGG	2.2
EDGEMOOR13 KV HAYRD7	CPP	0.2
EDGEMOOR13 KV HAYRD7	DEOK_RESID_AGG	15
EDGEMOOR13 KV HAYRD7	FEOHIO_RESID_AGG	11.6
EDGEMOOR13 KV HAYRD7	PEPCO DC	1.1
EDGEMOOR13 KV HAYRD7	PEPCO MD	1.2
EDGEMOOR13 KV HAYRD7	SMECO_RESID_AGG	0.4
EDGEMOOR18 KV HAYRD8	AMP-ATSI OH	1
EDGEMOOR18 KV HAYRD8	BGE	0.8
EDGEMOOR18 KV HAYRD8	BGE_RESID_AGG	4.5
EDGEMOOR18 KV HAYRD8	CPP	0.4
EDGEMOOR18 KV HAYRD8	DEOK_RESID_AGG	23.2
EDGEMOOR18 KV HAYRD8	FEOHIO_RESID_AGG	18
EDGEMOOR18 KV HAYRD8	PENNPPOWER_RESID_AGG	0.1
EDGEMOOR18 KV HAYRD8	PEPCO DC	1.4
EDGEMOOR18 KV HAYRD8	PEPCO MD	2
EDGEMOOR18 KV HAYRD8	SMECO_RESID_AGG	0.7
FOOTHILL18 KV UNIT 4	AMP-ATSI OH	0.3
FOOTHILL18 KV UNIT 4	DEOK_RESID_AGG	28.7
FOOTHILL18 KV UNIT 4	FEOHIO_RESID_AGG	2.4
FOOTHILL18 KV UNIT 4	WILLIAMSTOWN	0.1
FOOTHILL18 KV UNIT 5	AMP-ATSI OH	0.3
FOOTHILL18 KV UNIT 5	DEOK_RESID_AGG	28.7
FOOTHILL18 KV UNIT 5	FEOHIO_RESID_AGG	2.4
FOOTHILL18 KV UNIT 5	WILLIAMSTOWN	0.1
FORDMILL18 KV FE 1ACT	AECO	0.2
FORDMILL18 KV FE 1ACT	NEW JERSEY HUB	1.8
FORDMILL18 KV FE 1BCT	AECO	0.2
FORDMILL18 KV FE 1BCT	NEW JERSEY HUB	1.8
FORDMILL18 KV FE 1STM	AECO	0.2
FORDMILL18 KV FE 1STM	NEW JERSEY HUB	1.8
FORDMILL18 KV FE 1STM	PECO	26.7
FORDMILL18 KV FE 1STM	PECO_RESID_AGG	236.9
FORDMILL18 KV FE 2ACT	AECO	0.2
FORDMILL18 KV FE 2ACT	NEW JERSEY HUB	1.8

Source	Sink	Infeasible MW Quantity
FORDMILL18 KV FE 2BCT	AECO	0.2
FORDMILL18 KV FE 2BCT	NEW JERSEY HUB	1.8
FORDMILL18 KV FE 2STM	AECO	0.1
FORDMILL18 KV FE 2STM	NEW JERSEY HUB	1.6
FORDMILL18 KV FE 2STM	PECO	16.7
FORDMILL18 KV FE 2STM	PECO_RESID_AGG	148.5
FOWLER 34.5 KV FWL2-1WF	AEPOHIO W.O. MON POWER	1.1
FOWLER 34.5 KV FWL2-2WF	AEPOHIO W.O. MON POWER	1.1
FOWLER 34.5 KV FWL2-3WF	AEPOHIO W.O. MON POWER	1.1
FOWLER 34.5 KV FWL2-4WF	AEPOHIO W.O. MON POWER	1.1
FOWLER 34.5 KV FWL1AWF	AEPOHIO W.O. MON POWER	1.2
FOWLER 34.5 KV FWL1BWF	AEPOHIO W.O. MON POWER	1.2
FREMONTE18 KV FT1	CPP	0.2
FREMONTE18 KV FT2	CPP	0.2
FREMONTE23 KV FT3	CPP	0.5
GAVINAEP26 KV GV1	AEPIM_RESID_AGG	3.5
GAVINAEP26 KV GV2	AEPIM_RESID_AGG	3.3
GLOUCEST230 KV GCRF	JCPL	0.5
GLOUCEST230 KV GCRF	JCPL_RESID_AGG	2.7
GLOUCEST26 KV CCRF	PSEG_RESID_AGG	4
GRAYFR_113 KV 1 GEN	AMP-ATSI OH	0.9
GRAYFR_113 KV 1 GEN	BGE	0.6
GRAYFR_113 KV 1 GEN	BGE_RESID_AGG	3.5
GRAYFR_113 KV 1 GEN	CPP	0.2
GRAYFR_113 KV 1 GEN	DEOK_RESID_AGG	17.5
GRAYFR_113 KV 1 GEN	FEOHIO_RESID_AGG	14.9
GRAYFR_113 KV 1 GEN	PEPCO DC	1.3
GRAYFR_113 KV 1 GEN	PEPCO MD	1.5
GRAYFR_113 KV 1 GEN	SMECO_RESID_AGG	0.5
GREENUP	DEOK_RESID_AGG	22.4
HOPECREE25 KV UNIT 1	BRUNSWICK	1.1
HOPECREE25 KV UNIT 1	HILLSDALE_PARKRIDGE	0.3
JKSMT_EK13.8 KV JKSMT1	EKPC-DEOK LOAD	0.7
JKSMT_EK13.8 KV JKSMT10	EKPC-DEOK LOAD	0.4
JKSMT_EK13.8 KV JKSMT2	EKPC-DEOK LOAD	0.6
JKSMT_EK13.8 KV JKSMT3	EKPC-DEOK LOAD	0.6
JKSMT_EK13.8 KV JKSMT4	EKPC-DEOK LOAD	0.4
JKSMT_EK13.8 KV JKSMT5	EKPC-DEOK LOAD	0.4
JKSMT_EK13.8 KV JKSMT6	EKPC-DEOK LOAD	0.4

Source	Sink	Infeasible MW Quantity
JKSMT_EK13.8 KV JKSMT7	EKPC-DEOK LOAD	0.4
JKSMT_EK13.8 KV JKSMT9	EKPC-DEOK LOAD	0.4
KEYSTNE 13 KV _UN1_ 15	DAY	0.4
KEYSTNE 13 KV _UN1_ 15	DAY_RESID_AGG	36.4
KEYSTNE 13 KV _UN2_ 15	DAY	0.4
KEYSTNE 13 KV _UN2_ 15	DAY_RESID_AGG	36.3
KEYSTNE 13 KV _UN3_ 15	DAY	0.4
KEYSTNE 13 KV _UN3_ 15	DAY_RESID_AGG	36.2
KEYSTNE 13 KV _UN4_ 15	DAY	0.4
KEYSTNE 13 KV _UN4_ 15	DAY_RESID_AGG	36
KILLEN 23.4 KV GT1	DAY_RESID_AGG	0.8
KILLEN 23.4 KV KI2	DAY	0.4
KILLEN 23.4 KV KI2	DAY_RESID_AGG	37.3
KILLEN 23.4 KV KI2	DEOK_RESID_AGG	15.1
KYGERCRE15.5 KV KY1	AEPOHIO W.O. MON POWER	11.9
KYGERCRE15.5 KV KY1	BUCKEYE - AEPOH	17.8
KYGERCRE15.5 KV KY1	BUCKEYE - DPL	0.6
KYGERCRE15.5 KV KY1	DAY	0.4
KYGERCRE15.5 KV KY1	DAY_RESID_AGG	29.6
LAKVEW 34 KV OTTAWCTY	AMP-ATSI OH	0.2
LAKVEW 34 KV OTTAWCTY	AMP-ATSI PA	0.1
LAKVEW 34 KV OTTAWCTY	FEOHIO_RESID_AGG	17.4
LAKVEW 34 KV OTTAWCTY	PENNPPOWER_RESID_AGG	5
LAURELDM13.8 KV LAUREL	EKPC_RESID_AGG	1
LAURELDM13.8 KV LAUREL	EKPC-DEOK LOAD	0.4
LAWRENC218 KV S1	AEPIM_RESID_AGG	3.1
LAWRENC218 KV S1	AEPOHIO W.O. MON POWER	40.7
LAWRENC218 KV S1	AMP-OHIO	0.4
LAWRENC218 KV S1	BUCKEYE - AEPOH	1.1
LAWRENC218 KV S1	BUCKEYE - DPL	0.5
LAWRENC218 KV S1	BUCK-FE	0.3
LAWRENC218 KV S1	EKPC-DEOK LOAD	0.1
LAWRENC218 KV S2	AEPIM_RESID_AGG	3.1
LAWRENC218 KV S2	AEPOHIO W.O. MON POWER	40.7
LAWRENC218 KV S2	AMP-OHIO	0.4
LAWRENC218 KV S2	BUCKEYE - AEPOH	1.1
LAWRENC218 KV S2	BUCKEYE - DPL	0.5
LAWRENC218 KV S2	BUCK-FE	0.3
LAWRENC218 KV S2	EKPC-DEOK LOAD	0.1

Source	Sink	Infeasible MW Quantity
LINWDPE 18 KV STM	AMP-ATSI OH	3.8
LINWDPE 18 KV STM	AMP-ATSI PA	0.1
LINWDPE 18 KV STM	BGE	3.4
LINWDPE 18 KV STM	BGE_RESID_AGG	21.1
LINWDPE 18 KV STM	CPP	1.4
LINWDPE 18 KV STM	DEOK	0.1
LINWDPE 18 KV STM	DEOK_RESID_AGG	95.9
LINWDPE 18 KV STM	DUQ	1.7
LINWDPE 18 KV STM	DUQ_RESID_AGG	8
LINWDPE 18 KV STM	EKPC-DEOK LOAD	0.2
LINWDPE 18 KV STM	FEOHIO_RESID_AGG	76.2
LINWDPE 18 KV STM	PENPOWER_RESID_AGG	1.4
LINWDPE 18 KV STM	PEPCO DC	8
LINWDPE 18 KV STM	PEPCO MD	11.4
LINWDPE 18 KV STM	SMECO_RESID_AGG	2.8
LINWDPE 18 KV STM	WILLIAMSTOWN	0.2
MISO	AEC - AP	1.7
MISO	AEPAPCO_RESID_AGG	54.4
MISO	AEPKY_RESID_AGG	9.5
MISO	AEPOHIO W.O. MON POWER	98.3
MISO	AK STEEL	0.3
MISO	AMP-OHIO	9.9
MISO	APS_RESID_AGG	206.7
MISO	BLUE RIDGE	3.1
MISO	BUCK-CIN	0.1
MISO	BUCKEYE - AEPOH	2.1
MISO	BUCKEYE - DPL	0.7
MISO	BUCK-FE	0.5
MISO	DAY_RESID_AGG	47.4
MISO	DUKEXP	22.1
MISO	HREA - AP	0.5
MISO	LIDA - AP	0.2
MISO	MON POWER	5.1
MISO	NEWMARTINSVILLE-AP	0.1
MISO	PHILIPPI - AP	0.2
MOUNTAIN26 KV MT1	AEPIM_RESID_AGG	2.9
MUDDYRN 13 KV UNIT1	PECO_RESID_AGG	3.4
MUDDYRN 13 KV UNIT2	PECO_RESID_AGG	3.4
MUDDYRN 13 KV UNIT3	PECO_RESID_AGG	3.4

Source	Sink	Infeasible MW Quantity
MUDDYRN 13 KV UNIT4	PECO_RESID_AGG	2.9
MUDDYRN 13 KV UNIT5	PECO	0.5
MUDDYRN 13 KV UNIT5	PECO_RESID_AGG	3
MUDDYRN 13 KV UNIT6	PECO	0.5
MUDDYRN 13 KV UNIT6	PECO_RESID_AGG	2.9
MUDDYRN 13 KV UNIT7	PECO	0.5
MUDDYRN 13 KV UNIT7	PECO_RESID_AGG	3
MUDDYRN 13 KV UNIT8	PECO	0.5
MUDDYRN 13 KV UNIT8	PECO_RESID_AGG	3
PEACHBOT22 KV UNIT02	BRUNSWICK	0.2
PEACHBOT22 KV UNIT03	BRUNSWICK	0.2
PEDRICKT13.8 KV PCLP	AECO	0.5
PEDRICKT13.8 KV PCLP	AECO_RESID_AGG	1.8
PEDRICKT13.8 KV PCLP	VINELAND_RESID_AGG	0.2
PRINTZ 18 KV STG	AMP-ATSI OH	3
PRINTZ 18 KV STG	BGE	2.6
PRINTZ 18 KV STG	BGE_RESID_AGG	15.9
PRINTZ 18 KV STG	CPP	1
PRINTZ 18 KV STG	DEOK_RESID_AGG	68.5
PRINTZ 18 KV STG	EKPC-DEOK LOAD	0.1
PRINTZ 18 KV STG	FEOHIO_RESID_AGG	59.4
PRINTZ 18 KV STG	PENPOWER_RESID_AGG	1.1
PRINTZ 18 KV STG	PEPCO DC	5.7
PRINTZ 18 KV STG	PEPCO MD	7.9
PRINTZ 18 KV STG	SMECO_RESID_AGG	2.1
PRINTZ 18 KV STG	WILLIAMSTOWN	0.1
PSEGGLOB18 KV 6	DEOK_RESID_AGG	18.2
PSEGGLOB18 KV 7	DEOK_RESID_AGG	18.2
PSEGGLOB18 KV 8	DEOK_RESID_AGG	18.2
PSEGGLOB22 KV 5	DEOK_RESID_AGG	39.4
RICH PE 13 KV UNIT91	PECO_RESID_AGG	17.3
RICH PE 13 KV UNIT92	PECO_RESID_AGG	17.3
ROCKPOR226 KV RP1	AEPAPCO_RESID_AGG	367.7
ROCKPOR226 KV RP1	AEPIM_RESID_AGG	262.1
ROCKPOR226 KV RP1	AEPKY_RESID_AGG	67.1
ROCKPOR226 KV RP1	AEPOHIO W.O. MON POWER	568.9
ROCKPOR226 KV RP1	AMP-OHIO	5.9
ROCKPOR226 KV RP1	BLUE RIDGE	22.3
ROCKPOR226 KV RP1	BUCK-CIN	0.5

Source	Sink	Infeasible MW Quantity
ROCKPOR226 KV RP1	BUCKEYE - AEPIM	0.1
ROCKPOR226 KV RP1	BUCKEYE - AEPOH	11.5
ROCKPOR226 KV RP1	BUCKEYE - DPL	2.8
ROCKPOR226 KV RP1	BUCK-FE	2
ROCKPOR226 KV RP1	MERIDIAN EWHITLEY	2.7
ROCKPOR226 KV RP2	AEPAPCO_RESID_AGG	363.6
ROCKPOR226 KV RP2	AEPIM_RESID_AGG	259.1
ROCKPOR226 KV RP2	AEPKY_RESID_AGG	66.3
ROCKPOR226 KV RP2	AEPOHIO W.O. MON POWER	562
ROCKPOR226 KV RP2	AMP-OHIO	5.9
ROCKPOR226 KV RP2	BLUE RIDGE	22
ROCKPOR226 KV RP2	BUCK-CIN	0.5
ROCKPOR226 KV RP2	BUCKEYE - AEPIM	0.1
ROCKPOR226 KV RP2	BUCKEYE - AEPOH	11.3
ROCKPOR226 KV RP2	BUCKEYE - DPL	2.7
ROCKPOR226 KV RP2	BUCK-FE	2
ROCKPOR226 KV RP2	MERIDIAN EWHITLEY	2.7
ROCKSPRI24 KV WCATSTG	APS_RESID_AGG	0.3
SALEM 25 KV SALEM1	BRUNSWICK	0.5
SALEM 25 KV SALEM1	DEMEC	0.7
SALEM 25 KV SALEM1	DOVER	0.9
SALEM 25 KV SALEM1	DPL	6
SALEM 25 KV SALEM1	DPL_RESID_AGG	6.1
SALEM 25 KV SALEM1	EASTON	0.3
SALEM 25 KV SALEM1	HILLSDALE_PARKRIDGE	0.1
SALEM 25 KV SALEM1	LEWES DPL	0.1
SALEM 25 KV SALEM1	MOTIVA	0.1
SALEM 25 KV SALEM1	PECO_RESID_AGG	68.1
SALEM 25 KV SALEM2	BRUNSWICK	0.5
SALEM 25 KV SALEM2	DEMEC	0.7
SALEM 25 KV SALEM2	DOVER	0.9
SALEM 25 KV SALEM2	DPL	6
SALEM 25 KV SALEM2	DPL_RESID_AGG	5.8
SALEM 25 KV SALEM2	EASTON	0.3
SALEM 25 KV SALEM2	HILLSDALE_PARKRIDGE	0.1
SALEM 25 KV SALEM2	LEWES DPL	0.1
SALEM 25 KV SALEM2	MOTIVA	0.1
SALEM 25 KV SALEM2	PECO_RESID_AGG	34.1
SPURLOCK22 KV SPURLK1	EKPC-DEOK LOAD	0.3

Source	Sink	Infeasible MW Quantity
TANNERSC18 KV TC3	MIAMIFOR18 KV G6	135.1
TIDD_AEP24 KV CD2	BUCK-CIN	6
TIDD_AEP24 KV CD2	BUCKEYE - DPL	26.3
TIDD_AEP26 KV CD3	BUCK-CIN	6
TIDD_AEP26 KV CD3	BUCKEYE - DPL	26.2
WINFIELD4 KV WI1	AEPIM_RESID_AGG	0.5
WINFIELD4 KV WI2	AEPIM_RESID_AGG	0.5
WINFIELD4 KV WI3	AEPIM_RESID_AGG	0.5
ZELDA 18 KV UNIT 1	AEPIM_RESID_AGG	19.9
ZELDA 18 KV UNIT 1	BUCKEYE - DPL	0.3
ZELDA 18 KV UNIT 1	MERIDIAN EWHITLEY	0.2
ZELDA 18 KV UNIT 2	AEPIM_RESID_AGG	19.7
ZELDA 18 KV UNIT 2	BUCKEYE - DPL	0.3
ZELDA 18 KV UNIT 2	MERIDIAN EWHITLEY	0.2
ZELDA 18 KV UNIT 3	AEPIM_RESID_AGG	19.5
ZELDA 18 KV UNIT 3	BUCKEYE - DPL	0.3
ZELDA 18 KV UNIT 3	MERIDIAN EWHITLEY	0.2