

PJM 2016/2017 Stage 1A Over Allocation Notice

This document is to inform PJM members that Stage 1A of the 2016/2017 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 2016/2017 Annual ARR Allocation and all FTR Auctions effective for the 2016/2017 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		10	M2M Flowgate	Network Load
0621 Byron-Cherry Valley 345 kV I/o 0622 Byron-Cherry Valley 345 kV		166	M2M Flowgate	Network Load
0622 Byron-Cherry Valley 345 kV I/o 0621 Byron-Cherry Valley 345 kV		181	M2M Flowgate	Network Load
12205-151 Woodstock 138 kV I/o Cherry Valley-Silver Lake 345 kV		7	M2M Flowgate	Network Load
155 NELS345 KV 15502		66	Internal PJM	Transmission Outage
156 CHER345 KV TR81CT-P		15	Internal PJM	Transmission Outage
15616 Cherry Valley-Silver Lake I/o 15502 Nelson-Electric Jct.		260	M2M Flowgate	Network Load
15623-Belvidere 138 I/o Cherry Valley-Silver Lake 345		38	M2M Flowgate	Network Load
2221 Zion-PlsPr for 9922 Zion-Arcd		5	M2M Flowgate	Network Load
2543_Whitestown_Guion345kV_flo_Petersburg_Thompson345kV		107	Pseudo Tie Flowgate	Network Load
6101-Hennepin 138 I/o Oglesby Tap 138 sub		50	M2M Flowgate	Network Load
6101-Hennepin 138 I/o Princetp 138 Sub		57	M2M Flowgate	Network Load
6101tap_Hennepin138_FLO_Kewanee_CrescentRidgeWF138		46	M2M Flowgate	Network Load
AEP76025_SDNY_SDNY_EGNE_4501_A		134	Pseudo Tie Flowgate	Network Load
AEP76X13_EUGENE_BUNSOEUGEN34_1_1		31	Pseudo Tie Flowgate	Network Load

Equipment Name	Contingency Description	Required MW Increase in Capability Limits	Type	Reason for Infeasibility
AEPCIN16_BREED_BRED-CSYW-1_1		67	Pseudo Tie Flowgate	Network Load
AMI13055_MCBWPVS-MCBW-1_A		37	Pseudo Tie Flowgate	Network Load
AMI13125_HENNEPINP-1512_1		12	Pseudo Tie Flowgate	Network Load
AMI13148_EDWARDS2_38L7423_38		2	Pseudo Tie Flowgate	Network Load
AMI34002_EFNW_E138-NEGS-1_A		46	Pseudo Tie Flowgate	Network Load
AMI34002_LAS_LAS-VINC-1_1		24	Pseudo Tie Flowgate	Network Load
AMI34002_LOUS_LOUS-OLNN-1_A		25	Pseudo Tie Flowgate	Network Load
AMI34002_NEWTON2_NWTY-ROBM-1_A		15	Pseudo Tie Flowgate	Network Load
AMI34003_NEGS_TR_2_TR_2_345_138KV		17	Pseudo Tie Flowgate	Network Load
AMI34004_NORN_ALBS-NORN-1_B		24	Pseudo Tie Flowgate	Network Load
AMI34005_HAVS_HAV_MSCW_1406_A		29	Pseudo Tie Flowgate	Network Load
AMI34008_SHLS_PANN-SHLS-1_A		2	Pseudo Tie Flowgate	Network Load
AMI34010_RAME_TR_1_TR_1_345_138KV		40	Pseudo Tie Flowgate	Network Load
AMI34010_SHLS_PANN-SHLS-1_A		2	Pseudo Tie Flowgate	Network Load
AMI34012_MTVRNONO_TX00_TR4		31	Pseudo Tie Flowgate	Network Load
AMI34012_WFRK_WFRE-WFRK-1_A		84	Pseudo Tie Flowgate	Network Load
AMI34017_BALDWIN_TX01_TR4		4	Pseudo Tie Flowgate	Network Load
AMI34023_BALDWIN_TX01_TR4		7	Pseudo Tie Flowgate	Network Load
AMI34025_STAUNTONP-1436_3		50	Pseudo Tie Flowgate	Network Load
AMI34X01_NEWTON2_TR_2_TR_2_345_138KV		27	Pseudo Tie Flowgate	Network Load
AMI34X02_NEWTON2_TR_1_TR_1_345_138KV		27	Pseudo Tie Flowgate	Network Load
AMI34X04_EDWARDS2_38L7423_38		2	Pseudo Tie Flowgate	Network Load
AMIAEP02_LAS_LAS-VINC-1_1		33	Pseudo Tie Flowgate	Network Load
AMICE1_HENNEPINP-1512_1		10	Pseudo Tie Flowgate	Network Load
AMICE58_HENNEPINP-1512_1		28	Pseudo Tie Flowgate	Network Load
AMICEK03_SHRAM_TPP-1466_2		15	Pseudo Tie Flowgate	Network Load
AMO34005_LABADIE_L_MTYG_4_A		5	Pseudo Tie Flowgate	Network Load
AMO34017_BELU_BELU-MTYG-6_A		13	Pseudo Tie Flowgate	Network Load
AMO34017_ENON_TP_BELU-MTYG-6_B		15	Pseudo Tie Flowgate	Network Load
AMO34027_LABADIE_L_GRAY_2_A		111	Pseudo Tie Flowgate	Network Load
AMO34X18_BALDWIN_TX01_TR4		4	Pseudo Tie Flowgate	Network Load
BASE_GBCS_GBCS_PAXE_1_B		4	Pseudo Tie Flowgate	Network Load
Beaver_Channel_Albany_161_flo_Cordova_Nelson_345		10	M2M Flowgate	Network Load
BEAVERBR230 KV BEA-NEW	L500.HopeCreek-RedLion.5015	13	Internal PJM	Transmission Outage
Belvidere-12205 138 kV /o Cherry Valley-Silver Lake 345		37	M2M Flowgate	Network Load
Braidwood-East Frankfurt 2001 345 I/o Braidwood-East Frankfurt 2003 345		47	M2M Flowgate	Network Load
BROKAW_CNBELT_138_flo_BROKAW_NLEROY_WVEEDMN_138		4	Pseudo Tie Flowgate	Network Load
Brokaw_Cornbelt_138kv_flo_Kincaid_Pawnee_345kv+Kincaid_Latham_Bluemound_345kv		3	Pseudo Tie Flowgate	Network Load
Brokaw_Cornbelt_138kv_flo_Pontiac_Bluemound_345kv		4	Pseudo Tie Flowgate	Network Load
Brokaw_Cornbelt_flo_Kincaid_Lthm_BlueMnd_Lthm_XF		2	Pseudo Tie Flowgate	Network Load
BROKAW_CRNBELT_138_flo_RISING_GOOSECRK_345		6	Pseudo Tie Flowgate	Network Load
BROKAW_CRNBELT_138_flo_VERMILION_NCHAMPGN_138		5	Pseudo Tie Flowgate	Network Load
Bunsonville_Eugene_345_flo_Rockport_Jefferson_765		97	Pseudo Tie Flowgate	Network Load
BUNSONVILLE_EUGENE_BREED_CASEY		21	Pseudo Tie Flowgate	Network Load
Byron-Cherry Valley 0621 345 kV I/o Byron-Wempletown 345 kV		38	M2M Flowgate	Network Load
Byron-Cherry Valley 0622 345 I/o Byron-Wempletown 0624 345		100	M2M Flowgate	Network Load
CAMDEN 230 KV CAM-GLOY		4	Internal PJM	Transmission Outage
CARNEYPT69 KV CAR-DEE2	L230.Bridgeport-Mickleton.2315	50	Internal PJM	Transmission Outage
CARNEYPT69 KV CAR-PENN	L230.Bridgeport-Mickleton.2315	48	Internal PJM	Transmission Outage
CaseyWest_Breed345_flo_WiltonCenter_Dumont765		37	Pseudo Tie Flowgate	Network Load
Cayuga 345/230kV XFMR 10 (flo) Jefferson-Rockport 765kV		114	M2M Flowgate	Network Load
Cherry Valley-Silver Lake (15616) 345 kV line		150	M2M Flowgate	Network Load
CHURCHTO230 KV CRCH #1	L230.Bridgeport-Mickleton.2315	214	Internal PJM	Transmission Outage
CHURCHTO69 KV CHU-DEE	L230.Bridgeport-Mickleton.2315	141	Internal PJM	Transmission Outage
CIN34015_CAYUGA_9P_9P		46	Pseudo Tie Flowgate	Network Load
Clifty Creek-Trimble County 345		44	M2M Flowgate	Network Load
Cordova-Nelson 345 (flo) Quad Cities-H471 345		12	M2M Flowgate	Network Load
Cordova-Nelson 345 kV (15503) I/o H471-Nelson 345 kV (15504)		10	M2M Flowgate	Network Load
Cornbelt_Brokaw_GBCS-1_2_138kv_flo_Vermilion_4N_Champgnw_138kv		5	Pseudo Tie Flowgate	Network Load
CRNBELT_GIBCTY_138_flo_PAXE_SDNV_RANT_138		19	Pseudo Tie Flowgate	Network Load
Cumberland_Bush_138kv_flo_Cayuga_Cayuga3_345kv		11	M2M Flowgate	Network Load
E Frankfort-Goodings Grove 345-kV (11601 line)		90	M2M Flowgate	Network Load
East Frankfort-Goodings Grove (11602) 345 kV line		39	M2M Flowgate	Network Load
Galesburg 161/138 Xfm #2 flo Electric Jct.-Nelson B 345		93	M2M Flowgate	Network Load
Galesburg 161/138 Xfmr 4 flo Nelson - Sterling (H471ESS) 345kV		63	M2M Flowgate	Network Load
GBCS_GBCS_PAXE-1_B_138kv_flo		6	Pseudo Tie Flowgate	Network Load
Gibson_GIBSOPETER34_1_1_345kv_flo_Gibson_Francisco_345kv		51	Pseudo Tie Flowgate	Network Load
Gibson_Petersburg_345kv_flo_Gibson_Bedford_345kv_Bedford_TR5_345		8	Pseudo Tie Flowgate	Network Load
Gibson_Petersburg_345kv_flo_Gibson_Bedford_345kv+Bedford_TR5_345/138kv		8	Pseudo Tie Flowgate	Network Load
Gillespie Tap-Laclede Tap 138 (flo) Coffeen-Roxford 345		17	M2M Flowgate	Network Load
GRACETON230 KV GRA-SAF		56	Internal PJM	Transmission Outage
HEBRON 69 KV HEB-MAR	L69.Nelson-Edgewood-NorthSalisbury.6743	3	Internal PJM	Transmission Outage
HEBRON 69 KV HEB-ROC	L69.Nelson-Edgewood-NorthSalisbury.6743	2	Internal PJM	Transmission Outage

Equipment Name	Contingency Description	Required MW Increase in Capability Limits	Type	Reason for Infeasibility
Henepin_LTVSteelP_1512_flo_KickapooCreek_Lasal		3	Pseudo Tie Flowgate	Network Load
Holland-Mason 138 I/o Loretto-Wilton Center 345		3	M2M Flowgate	Network Load
HUMMELST230 KV HUM-HUM	L230.MiddletownJct-SouthLebanon.1004	28	Internal PJM	Transmission Outage
HUMMELST230 KV HUM-HUM		9	Internal PJM	Transmission Outage
IP-1512 Henepin-LTV Steel 138kv (flo) Duck Creek-Tazewell 345kv		15	M2M Flowgate	Network Load
Kenosha-Lakeview 138 PleasPr-Zion 345		18	M2M Flowgate	Network Load
Kewanee_Edwards_7423_138_FLO_Nelson_ElectricJct3		3	Pseudo Tie Flowgate	Network Load
Kewanee-6101 138 I/o Nelson-Electric Junction 345		7	M2M Flowgate	Network Load
Kewanee-6101 138 I/o Oglesby Tap 138 sub		10	M2M Flowgate	Network Load
Kewanee-Edwards 138 kv I/o Edwards unit 3		12	M2M Flowgate	Network Load
Kewanee-Edwards 138 kv I/o Nelson-Electric Jct 345 kv		31	M2M Flowgate	Network Load
Kewanee-Edwards 138kv (flo) Duck Crk-Tazewell 345kv		40	M2M Flowgate	Network Load
Lakeview-Zion 138 kv line I/o Pleasant Prairie-Zion 345 kv line		25	M2M Flowgate	Network Load
Lakeview-Zion 138 I/o Pleasant Prairie-Zion 345+Pleasant Prairie-Zion EC 345		58	M2M Flowgate	Network Load
LAUREL 69 KV LAU-WOO	L230.Bridgeport-Mickleton.2315	2	Internal PJM	Transmission Outage
Loretto-Wilton Center 345 kv I/o Pontiac-Dresden 345 kv + TR82		67	M2M Flowgate	Network Load
MARDELA 69 KV MAR-VIE	L69.Nelson-Edgewood-NorthSalisbury.6743	8	Internal PJM	Transmission Outage
MarengoTap-PlsntValley(12204-2)138kv I/o ChryVly-SilverLake(15616)345kv		53	M2M Flowgate	Network Load
Mercer IP-Galesburg 161kv I/o Nelson-Electric Junction 345kv		128	M2M Flowgate	Network Load
Mercer IP-Galesburg 161kv I/o Sterling Steel-Nelson 345 kv		93	M2M Flowgate	Network Load
Merom_Dresser_345_flo_Merom_Worthington_345		105	Pseudo Tie Flowgate	Network Load
Merom_Dresser_345kv_flo_Merom_Worthington_345kv		105	Pseudo Tie Flowgate	Network Load
Miami Fort 345/138 TB 9 (flo) Dearborn - Tanners Creek 345		50	M2M Flowgate	Network Load
Miami Fort 345/138 Xfm flo East Bend-Terminal 345		77	M2M Flowgate	Network Load
Miami Fort-Hebron 138kv I/o Eastbend-Terminal 345kv		20	M2M Flowgate	Network Load
MICKLETO69 KV MIC-RIV	L230.Bridgeport-Mickleton.2315	6	Internal PJM	Transmission Outage
Monitcello_EWinamac138kv_flo_Walton345_230kvXFMR		7	M2M Flowgate	Network Load
MONR AE 230 KV MON-NEW	L500.HopeCreek-RedLion.5015	6	Internal PJM	Transmission Outage
MONR AE 69 KV MON-VINE	L230.NewFreedom-Cardiff.2310	44	Internal PJM	Transmission Outage
Monroe-Bayshore 345 kv I/o Lulu 345 kv Sub		311	M2M Flowgate	Network Load
Monticello_EWinamac138kv_flo_Dumont_Greentown765kv		16	M2M Flowgate	Network Load
Monticello_EWinamac138kv_flo_Greentown_Jefferson765kv		8	M2M Flowgate	Network Load
Monticello-East Winamac 138 kv I/o Rockport-Jefferson 765 kv		89	M2M Flowgate	Network Load
Nelson-Electric Jct (15502) I/o Cherry Val-Silver Lake (15616)		287	M2M Flowgate	Network Load
Nelson-Electric Junction (15502) I/o Byron-Cherry Valley (0621)		225	M2M Flowgate	Network Load
Newton - Casey 345 (flo) Neoga - Casey 345]		2	M2M Flowgate	Network Load
NSALISBU69 KV NSA-ROCK	L69.Nelson-Edgewood-NorthSalisbury.6743	3	Internal PJM	Transmission Outage
Nucor_Whitestown_345_flo_Rockport_Jefferson_765		350	M2M Flowgate	Network Load
Oak Grove-Mercer 161 kv I/o Byron-LeeCo 345 kv		81	M2M Flowgate	Network Load
Oak Grove-Mercer 161 kv I/o Cordova-Nelson 345 kv		91	M2M Flowgate	Network Load
Oak Grove-Mercer 161 kv I/o Nelson-Electric Junction 345 kv		127	M2M Flowgate	Network Load
Oak Grove-Mercer 161 kv I/o Sterling Steel-Nelson 345 kv		91	M2M Flowgate	Network Load
OLDMAN 69 KV OLD-PEN	L230.Bridgeport-Mickleton.2315	33	Internal PJM	Transmission Outage
Paddock-Townline 138 (flo) Paddock-Blackhawk 138		6	M2M Flowgate	Network Load
Pana_345by138kv_xfm_flo_Kincaid_Lanesville_345kv		80	Pseudo Tie Flowgate	Network Load
Pana_345by138kv_xfm_flo_Kincaid_Pawnee_345kv		59	Pseudo Tie Flowgate	Network Load
Pana345_138kvXFMR_flo_Kincaid_Lanesvil_Kincaid_P		300	Pseudo Tie Flowgate	Network Load
Pana345by138_flo_KncaidUnit2_Kncaid_Lnesvle345		175	M2M Flowgate	Network Load
Pierce-Foster 345		136	M2M Flowgate	Network Load
Pierce-Foster 345 kv I/o East Bend-Terminal 345 kv		201	M2M Flowgate	Network Load
Pleasant Prairie-Racine 345 (flo) Pleasant Prairie-Arcadian 345		2	M2M Flowgate	Network Load
PleasPrairie-Arcadian345 FLO PleasPrairie-Racine345		2	M2M Flowgate	Network Load
PleasPrairie-Arcadian345 FLO Zion-Arcadian345		2	M2M Flowgate	Network Load
Pontiac-Wilton Ctr 345 (flo) Pontiac-Dresden 345 + Pontiac 345/138 xfmr		76	M2M Flowgate	Network Load
Quad Cities-Cordova 0402 345 I/o Quad Cities-Cordova 0403 345		45	M2M Flowgate	Network Load
RANTJCT_PAXE_138_flo_GIBSONC_PAXE_138		11	Pseudo Tie Flowgate	Network Load
RantoulJ_PAXE_SDNY-1_A_138kv_flo_Bunsonville_Eugene_345kv		17	Pseudo Tie Flowgate	Network Load
RantoulJ_PAXE_SDNY-1_B_138kv_flo_TiltonEC_WTilton_138kv		14	Pseudo Tie Flowgate	Network Load
Rising 345/138 XFMR 1 (flo) Clinton - Brokaw 345kv		43	M2M Flowgate	Network Load
Rising_XFMR_TR1_FLO_Kincaid_Latham_BlueMound345		12	M2M Flowgate	Network Load
Rock Creek-Beaver Channel 161 I/o Salem-Rock Creek 345		10	M2M Flowgate	Network Load
Staley_Lafayette138kv_flo_Cayuga_Cayuga3_345kv		12	M2M Flowgate	Network Load
Staley_Lafayette138kv_flo_Cayuga_Eugene345kv		14	M2M Flowgate	Network Load
Stillwell_Dumont345_flo_WiltonCenter_Dumont765		57	M2M Flowgate	Network Load
Twin Branch-Argenta 345 kv I/o Cook-Segreto 345kv+BentonHarbor-Segreto 345kv		115	M2M Flowgate	Network Load
VERMILLION_TILTONEC_138_flo_BUNSONVL_CASEY_345		24	Pseudo Tie Flowgate	Network Load
VermilioP-1572_VE_flo_Sidney2_138kv_7Sidney_345kv		4	Pseudo Tie Flowgate	Network Load
Westwood345_138kvXFMR1_flo_Cayuga_Veedersburg230kv		42	M2M Flowgate	Network Load
Westwood345_138kvXFMR1_flo_Lafayette_Attica_Veedersburg230kv		40	M2M Flowgate	Network Load
Whitestown_WhiteGion34_1_1_138kv_flo_Petersburg_TRF_E		107	Pseudo Tie Flowgate	Network Load
Zion-Waukegan 138kv I/o Zion-Pleasant Prairie 345kv		29	M2M Flowgate	Network Load

Listed below are the aggregate MW quantities, by source and sinks, of infeasible ARR in Stage 1A of the 2016/2017 Annual ARR Allocation.

Source	Sink	Infeasible MW Quantity
1 LASALL24 KV LA-1	BATAVIA	4
1 LASALL24 KV LA-1	COMED	18.5
1 LASALL24 KV LA-1	COMED_RESID_AGG	857.5
1 LASALL24 KV LA-1	GENEVA	2.9
1 LASALL24 KV LA-1	NAPERVILLE	19
1 LASALL24 KV LA-1	ROCHELLE	1.8
1 LASALL24 KV LA-1	ST. CHARLES	6.5
1 LASALL24 KV LA-2	BATAVIA	3.9
1 LASALL24 KV LA-2	COMED	18.5
1 LASALL24 KV LA-2	COMED_RESID_AGG	737
1 LASALL24 KV LA-2	GENEVA	2.9
1 LASALL24 KV LA-2	NAPERVILLE	19
1 LASALL24 KV LA-2	ROCHELLE	1.8
1 LASALL24 KV LA-2	ST. CHARLES	6.5
12 DRES18 KV DR-3	COMED_RESID_AGG	138
150 CALU138 KV TR72-X12	COMED_RESID_AGG	1.4
150 CALU138 KV TR72-Y12	COMED_RESID_AGG	0.2
150 CALU138 KV TR74-X12	COMED_RESID_AGG	1.7
150 CALU138 KV TR74-Y12	COMED_RESID_AGG	0.3
20 BRAID24 KV BR-1	BATAVIA	5.4
20 BRAID24 KV BR-1	COMED	4.1
20 BRAID24 KV BR-1	COMED_RESID_AGG	238.5
20 BRAID24 KV BR-1	GENEVA	3
20 BRAID24 KV BR-1	NAPERVILLE	3.6
20 BRAID24 KV BR-1	ROCHELLE	2.2
20 BRAID24 KV BR-1	ST. CHARLES	6.7
20 BRAID24 KV BR-2	BATAVIA	5.4
20 BRAID24 KV BR-2	COMED	2.9

Source	Sink	Infeasible MW Quantity
20 BRAID24 KV BR-2	COMED_RESID_AGG	168.8
20 BRAID24 KV BR-2	GENEVA	3
20 BRAID24 KV BR-2	NAPERVILLE	2.3
20 BRAID24 KV BR-2	ROCHELLE	2.2
20 BRAID24 KV BR-2	ST. CHARLES	6.7
21 KINCA20 KV KN-1	BATAVIA	2.6
21 KINCA20 KV KN-1	COMED	7.8
21 KINCA20 KV KN-1	COMED_RESID_AGG	502.5
21 KINCA20 KV KN-1	GENEVA	1.4
21 KINCA20 KV KN-1	NAPERVILLE	7.8
21 KINCA20 KV KN-1	ROCHELLE	1
21 KINCA20 KV KN-1	ST. CHARLES	3.2
21 KINCA20 KV KN-2	BATAVIA	2.6
21 KINCA20 KV KN-2	COMED_RESID_AGG	358.7
21 KINCA20 KV KN-2	ROCHELLE	1
4 QUAD C18 KV QC-1	BATAVIA	2.9
4 QUAD C18 KV QC-1	COMED	10.4
4 QUAD C18 KV QC-1	COMED_RESID_AGG	606.4
4 QUAD C18 KV QC-1	GENEVA	1.6
4 QUAD C18 KV QC-1	NAPERVILLE	10.7
4 QUAD C18 KV QC-1	ROCHELLE	1.2
4 QUAD C18 KV QC-1	ST. CHARLES	3.7
4 QUAD C18 KV QC-2	BATAVIA	2.9
4 QUAD C18 KV QC-2	COMED	10.4
4 QUAD C18 KV QC-2	COMED_RESID_AGG	606.2
4 QUAD C18 KV QC-2	GENEVA	1.6
4 QUAD C18 KV QC-2	NAPERVILLE	10.7
4 QUAD C18 KV QC-2	ROCHELLE	1.2
4 QUAD C18 KV QC-2	ST. CHARLES	3.7
6 BYRON 25 KV BY-1	BATAVIA	5.5
6 BYRON 25 KV BY-1	COMED	19.3
6 BYRON 25 KV BY-1	COMED_RESID_AGG	1124.1
6 BYRON 25 KV BY-1	GENEVA	3
6 BYRON 25 KV BY-1	NAPERVILLE	19.8
6 BYRON 25 KV BY-1	ROCHELLE	2.2
6 BYRON 25 KV BY-1	ST. CHARLES	6.8
6 BYRON 25 KV BY-2	BATAVIA	5.3
6 BYRON 25 KV BY-2	COMED	18.7
6 BYRON 25 KV BY-2	COMED_RESID_AGG	1093.8

Source	Sink	Infeasible MW Quantity
6 BYRON 25 KV BY-2	GENEVA	2.9
6 BYRON 25 KV BY-2	NAPERVILLE	19.3
6 BYRON 25 KV BY-2	ROCHELLE	2.1
6 BYRON 25 KV BY-2	ST. CHARLES	6.6
936 LINC12 KV LE-1	COMED_RESID_AGG	0.3
936 LINC12 KV LE-2	COMED_RESID_AGG	0.3
936 LINC12 KV LE-3	COMED_RESID_AGG	0.3
936 LINC12 KV LE-4	COMED_RESID_AGG	0.2
936 LINC12 KV LE-5	COMED_RESID_AGG	0.2
936 LINC12 KV LE-6	COMED_RESID_AGG	0.2
936 LINC12 KV LE-7	COMED_RESID_AGG	0.2
936 LINC12 KV LE-8	COMED_RESID_AGG	0.2
937 LEE 13.5 KV LEE31-1	BATAVIA	0.3
937 LEE 13.5 KV LEE31-1	COMED	1.2
937 LEE 13.5 KV LEE31-1	COMED_RESID_AGG	74
937 LEE 13.5 KV LEE31-1	GENEVA	0.2
937 LEE 13.5 KV LEE31-1	NAPERVILLE	1.3
937 LEE 13.5 KV LEE31-1	ROCHELLE	0.1
937 LEE 13.5 KV LEE31-1	ST. CHARLES	0.4
937 LEE 13.5 KV LEE31-2	BATAVIA	0.3
937 LEE 13.5 KV LEE31-2	COMED	1.2
937 LEE 13.5 KV LEE31-2	COMED_RESID_AGG	73.9
937 LEE 13.5 KV LEE31-2	GENEVA	0.2
937 LEE 13.5 KV LEE31-2	NAPERVILLE	1.3
937 LEE 13.5 KV LEE31-2	ROCHELLE	0.1
937 LEE 13.5 KV LEE31-2	ST. CHARLES	0.4
937 LEE 13.5 KV LEE33-1	BATAVIA	0.3
937 LEE 13.5 KV LEE33-1	COMED	1.2
937 LEE 13.5 KV LEE33-1	COMED_RESID_AGG	73.9
937 LEE 13.5 KV LEE33-1	GENEVA	0.2
937 LEE 13.5 KV LEE33-1	NAPERVILLE	1.3
937 LEE 13.5 KV LEE33-1	ROCHELLE	0.1
937 LEE 13.5 KV LEE33-1	ST. CHARLES	0.4
937 LEE 13.5 KV LEE33-2	BATAVIA	0.3
937 LEE 13.5 KV LEE33-2	COMED	1.2
937 LEE 13.5 KV LEE33-2	COMED_RESID_AGG	73.9
937 LEE 13.5 KV LEE33-2	GENEVA	0.2
937 LEE 13.5 KV LEE33-2	NAPERVILLE	1.3
937 LEE 13.5 KV LEE33-2	ROCHELLE	0.1

Source	Sink	Infeasible MW Quantity
937 LEE 13.5 KV LEE33-2	ST. CHARLES	0.4
944 SE C13.5 KV SE10	COMED_RESID_AGG	0.1
944 SE C13.5 KV SE11	COMED_RESID_AGG	0.1
944 SE C13.5 KV SE12	COMED_RESID_AGG	0.1
944 SE C13.5 KV SE-5	COMED_RESID_AGG	0.2
944 SE C13.5 KV SE-6	COMED_RESID_AGG	0.2
944 SE C13.5 KV SE-7	COMED_RESID_AGG	0.2
944 SE C13.5 KV SE-8	COMED_RESID_AGG	0.2
944 SE C13.5 KV SE-9	COMED_RESID_AGG	0.1
952 ROCK16 KV RO11	COMED_RESID_AGG	0.2
AMOS 26 KV AM1	AEPOHIO W.O. MON POWER	48.4
AMOS 26 KV AM1	BUCK-FE	0.9
AMOS 26 KV AM2	AEPOHIO W.O. MON POWER	0.4
AMOS 26 KV AM3	AEPOHIO W.O. MON POWER	62.8
AMOS 26 KV AM3	BUCK-FE	1.4
BAKER 26 KV BS2	AEPOHIO W.O. MON POWER	11
BEAV DUQ22 KV UNIT1	AMP-ATSI OH	19.6
BEAV DUQ22 KV UNIT1	CPP	3.8
BEAV DUQ22 KV UNIT1	FEOHIO_RESID_AGG	289.4
BEAV DUQ22 KV UNIT2	AMP-ATSI OH	19.5
BEAV DUQ22 KV UNIT2	CPP	3.8
BEAV DUQ22 KV UNIT2	FEOHIO_RESID_AGG	339.8
BERRHYD 4 KV BR1	AEPAPCO_RESID_AGG	0.1
BERRHYD 4 KV BR1	AEPOHIO W.O. MON POWER	0.3
BERRHYD 4 KV BR10	AEPAPCO_RESID_AGG	0.1
BERRHYD 4 KV BR10	AEPOHIO W.O. MON POWER	0.3
BERRHYD 4 KV BR11	AEPAPCO_RESID_AGG	0.1
BERRHYD 4 KV BR11	AEPOHIO W.O. MON POWER	0.3
BERRHYD 4 KV BR12	AEPAPCO_RESID_AGG	0.1
BERRHYD 4 KV BR12	AEPOHIO W.O. MON POWER	0.3
BERRHYD 4 KV BR2	AEPAPCO_RESID_AGG	0.1
BERRHYD 4 KV BR2	AEPOHIO W.O. MON POWER	0.3
BERRHYD 4 KV BR3	AEPAPCO_RESID_AGG	0.1
BERRHYD 4 KV BR3	AEPOHIO W.O. MON POWER	0.3
BERRHYD 4 KV BR4	AEPAPCO_RESID_AGG	0.1
BERRHYD 4 KV BR4	AEPOHIO W.O. MON POWER	0.3
BERRHYD 4 KV BR5	AEPAPCO_RESID_AGG	0.1
BERRHYD 4 KV BR5	AEPOHIO W.O. MON POWER	0.3
BERRHYD 4 KV BR6	AEPAPCO_RESID_AGG	0.1

Source	Sink	Infeasible MW Quantity
BERRHYD 4 KV BR6	AEPOHIO W.O. MON POWER	0.3
BERRHYD 4 KV BR7	AEPAPCO_RESID_AGG	0.1
BERRHYD 4 KV BR7	AEPOHIO W.O. MON POWER	0.3
BERRHYD 4 KV BR8	AEPAPCO_RESID_AGG	0.1
BERRHYD 4 KV BR8	AEPOHIO W.O. MON POWER	0.3
BERRHYD 4 KV BR9	AEPAPCO_RESID_AGG	0.1
BERRHYD 4 KV BR9	AEPOHIO W.O. MON POWER	0.3
BIGSANDY22 KV BS1	AEPOHIO W.O. MON POWER	0.1
BRIDGEPO22 KV LOGAN	AECO	29
BRIDGEPO22 KV LOGAN	AECO_RESID_AGG	53.3
BRUNNERI18 KV UNIT01	PPL	1.6
BRUNNERI18 KV UNIT01	PPL_RESID_AGG	19.5
BRUNNERI18 KV UNIT02	PPL	2
BRUNNERI18 KV UNIT02	PPL_RESID_AGG	23.6
BRUNNERI230 KV DIES	PPL_RESID_AGG	0.2
BRUNNERI24 KV UNIT03	PERKASIE	0.1
BRUNNERI24 KV UNIT03	PPL	3.8
BRUNNERI24 KV UNIT03	PPL_RESID_AGG	46.5
BUCHANAN2 KV BU1	AEPOHIO W.O. MON POWER	0.1
BUCHANAN2 KV BU10	AEPOHIO W.O. MON POWER	0.1
BUCHANAN2 KV BU2	AEPOHIO W.O. MON POWER	0.1
BUCHANAN2 KV BU3	AEPOHIO W.O. MON POWER	0.1
BUCHANAN2 KV BU4	AEPOHIO W.O. MON POWER	0.1
BUCHANAN2 KV BU5	AEPOHIO W.O. MON POWER	0.1
BUCHANAN2 KV BU6	AEPOHIO W.O. MON POWER	0.1
BUCHANAN2 KV BU7	AEPOHIO W.O. MON POWER	0.1
BUCHANAN2 KV BU8	AEPOHIO W.O. MON POWER	0.1
BUCHANAN2 KV BU9	AEPOHIO W.O. MON POWER	0.1
BURGER 138 KV EMDS	FEOHIO_RESID_AGG	2.8
CHAMBERS23 KV CCLPGEN	AECO	32.7
CHAMBERS23 KV CCLPGEN	AECO_RESID_AGG	58.2
CLARKOE 14 KV MR81	FEOHIO_RESID_AGG	1.4
CLARKOE 14 KV MR82	FEOHIO_RESID_AGG	1.2
CONESVIL26 KV CV4	DEOK_RESID_AGG	53
CONESVIL26 KV CV4	WILLIAMSTOWN	0.6
CONSTANT2 KV CO1	AEPAPCO_RESID_AGG	0.1
CONSTANT2 KV CO1	AEPOHIO W.O. MON POWER	0.7
CONSTANT2 KV CO1	BLUE RIDGE	0.1
CONSTANT2 KV CO2	AEPAPCO_RESID_AGG	0.1

Source	Sink	Infeasible MW Quantity
CONSTANT2 KV CO2	AEPOHIO W.O. MON POWER	0.6
CONSTANT2 KV CO2	BLUE RIDGE	0.1
CONSTANT2 KV CO3	AEPAPCO_RESID_AGG	0.1
CONSTANT2 KV CO3	AEPOHIO W.O. MON POWER	0.5
CONSTANT2 KV CO3	BLUE RIDGE	0.1
CONSTANT2 KV CO4	AEPAPCO_RESID_AGG	0.1
CONSTANT2 KV CO4	AEPOHIO W.O. MON POWER	0.4
CONSTANT2 KV CO4	BLUE RIDGE	0.1
COOK 26 KV CK1	AEPAPCO_RESID_AGG	396.4
COOK 26 KV CK1	AEPIM_RESID_AGG	62.5
COOK 26 KV CK1	AEPKY_RESID_AGG	71.4
COOK 26 KV CK1	AEPOHIO W.O. MON POWER	313.7
COOK 26 KV CK1	AMP-OHIO	3.3
COOK 26 KV CK1	BLUE RIDGE	13.9
COOK 26 KV CK1	BUCK-CIN	0.5
COOK 26 KV CK1	BUCK-FE	1.4
COOK 26 KV CK1	DAY_RESID_AGG	1.9
COOK 26 KV CK1	MERIDIAN EWHITLEY	1.6
COOK 26 KV CK1	MON POWER	0.1
COOK 26 KV CK2	AEPAPCO_RESID_AGG	410.5
COOK 26 KV CK2	AEPKY_RESID_AGG	75.5
COOK 26 KV CK2	AEPOHIO W.O. MON POWER	284.9
COOK 26 KV CK2	AMP-OHIO	3.2
COOK 26 KV CK2	BLUE RIDGE	13.2
COOK 26 KV CK2	BUCK-CIN	0.5
COOK 26 KV CK2	BUCK-FE	1.4
COOK 26 KV CK2	DAY_RESID_AGG	1.9
COOK 26 KV CK2	MERIDIAN EWHITLEY	1.7
COOK 26 KV CK2	MON POWER	0.1
COOP_EK 13.8 KV COOPER01	EKPC-DEOK LOAD	1.2
COOP_EK 20 KV COOPER02	EKPC-DEOK LOAD	2.3
EBEND 20 KV EB2	EKPC_RESID_AGG	6.1
ELKHYDRO4 KV ELK	AEPAPCO_RESID_AGG	0.1
ELKHYDRO4 KV ELK	AEPOHIO W.O. MON POWER	1
ELKHYDRO4 KV ELK	AMP-OHIO	0.2
ELKHYDRO4 KV ELK	BLUE RIDGE	0.1
GAVINAEP26 KV GV1	AEPOHIO W.O. MON POWER	68.9
GAVINAEP26 KV GV1	BUCK-CIN	0.1
GAVINAEP26 KV GV1	BUCK-FE	1.4

Source	Sink	Infeasible MW Quantity
GAVINAEP26 KV GV2	AEPOHIO W.O. MON POWER	64.4
GAVINAEP26 KV GV2	BUCK-CIN	0.1
GAVINAEP26 KV GV2	BUCK-FE	1.4
HOPECREE25 KV UNIT 1	BRUNSWICK	0.2
HOPECREE25 KV UNIT 1	HILLSDALE_PARKRIDGE	0.1
HOPECREE25 KV UNIT 1	PSEG	1.4
HOPECREE25 KV UNIT 1	PSEG_RESID_AGG	40
KAMMER2 26 KV ML2	BUCK-FE	0.7
KAMMER2 26 KV ML2	MERIDIAN EWHITLEY	1.3
KEYSTNE 13 KV _UN1__15	DAY_RESID_AGG	25.5
KEYSTNE 13 KV _UN2__15	DAY_RESID_AGG	25.2
KEYSTNE 13 KV _UN3__15	DAY_RESID_AGG	25.2
KEYSTNE 13 KV _UN4__15	DAY_RESID_AGG	20.7
LAURELDM13.8 KV LAUREL	EKPC-DEOK LOAD	0.7
MANSFIEL17 KV UN1	AMP-ATSI OH	17.8
MANSFIEL17 KV UN1	CPP	3.3
MANSFIEL17 KV UN1	FEOHIO_RESID_AGG	317.7
MANSFIEL17 KV UN2	AMP-ATSI OH	17.8
MANSFIEL17 KV UN2	CPP	3.3
MANSFIEL17 KV UN2	FEOHIO_RESID_AGG	316.6
MANSFIEL17 KV UN3	AMP-ATSI OH	17.8
MANSFIEL17 KV UN3	CPP	3.3
MANSFIEL17 KV UN3	FEOHIO_RESID_AGG	297.9
MISO	AEC - AP	3.2
MISO	AEPAPCO_RESID_AGG	173
MISO	AEPIM_RESID_AGG	113
MISO	AEPKY_RESID_AGG	31.1
MISO	AEPOHIO W.O. MON POWER	182.1
MISO	AK STEEL	0.9
MISO	AMP-OHIO	19.6
MISO	APS	15.5
MISO	APS_RESID_AGG	435.2
MISO	BLUE RIDGE	7.8
MISO	BUCK-CIN	0.2
MISO	BUCK-FE	0.7
MISO	DAY_RESID_AGG	67.5
MISO	DUKEXP	56.5
MISO	HREA - AP	0.9
MISO	LIDA - AP	0.6

Source	Sink	Infeasible MW Quantity
MISO	MERIDIAN EWHITLEY	0.7
MISO	MON POWER	14.1
MISO	MONT ALTO - AP	0.1
MISO	NEWMARTINSVILLE-AP	0.2
MISO	PHILIPPI - AP	0.4
MISO	TARENTUM - AP	0.2
MOTTVILL2 KV MO1	AEPAPCO_RESID_AGG	0.1
MOTTVILL2 KV MO1	AEPOHIO W.O. MON POWER	1.3
MOTTVILL2 KV MO1	BLUE RIDGE	0.1
MOTTVILL2 KV MO2	AEPAPCO_RESID_AGG	0.1
MOTTVILL2 KV MO2	AEPOHIO W.O. MON POWER	1
MOTTVILL2 KV MO2	BLUE RIDGE	0.1
MOTTVILL2 KV MO3	AEPAPCO_RESID_AGG	0.1
MOTTVILL2 KV MO3	AEPOHIO W.O. MON POWER	0.7
MOTTVILL2 KV MO3	BLUE RIDGE	0.1
MOTTVILL2 KV MO4	AEPAPCO_RESID_AGG	0.1
MOTTVILL2 KV MO4	AEPOHIO W.O. MON POWER	0.6
MOTTVILL2 KV MO4	BLUE RIDGE	0.1
MOUNTAIN26 KV MT1	AEPOHIO W.O. MON POWER	32
MOUNTAIN26 KV MT1	BUCK-FE	1.4
N ILLINOIS HUB	COOK	295.2
NYIS	AMP-OHIO	1
NYIS	METED_RESID_AGG	0.2
NYIS	PENELEC_RESID_AGG	4.5
OVEC	AEPOHIO W.O. MON POWER	2.7
OVEC	AMP-OHIO	0.8
PEDRICKT13.8 KV PCLP	AECO	15.4
PEDRICKT13.8 KV PCLP	AECO_RESID_AGG	27.6
PERRY_FE22 KV PR10	FEOHIO_RESID_AGG	0.9
ROCKPOR226 KV RP1	AEPAPCO_RESID_AGG	511.6
ROCKPOR226 KV RP1	AEPIIM_RESID_AGG	207.1
ROCKPOR226 KV RP1	AEPKY_RESID_AGG	91.9
ROCKPOR226 KV RP1	AEPOHIO W.O. MON POWER	492
ROCKPOR226 KV RP1	AMP-OHIO	5
ROCKPOR226 KV RP1	BLUE RIDGE	23.6
ROCKPOR226 KV RP1	BUCK-CIN	0.6
ROCKPOR226 KV RP1	BUCK-FE	2.1
ROCKPOR226 KV RP1	DAY_RESID_AGG	2.9
ROCKPOR226 KV RP1	MERIDIAN EWHITLEY	2.1

Source	Sink	Infeasible MW Quantity
ROCKPOR226 KV RP1	MON POWER	0.2
ROCKPOR226 KV RP2	AEPAPCO_RESID_AGG	511.6
ROCKPOR226 KV RP2	AEPIM_RESID_AGG	207.1
ROCKPOR226 KV RP2	AEPKY_RESID_AGG	91.9
ROCKPOR226 KV RP2	AEPOHIO W.O. MON POWER	492.3
ROCKPOR226 KV RP2	AMP-OHIO	5
ROCKPOR226 KV RP2	BLUE RIDGE	23.6
ROCKPOR226 KV RP2	BUCK-CIN	0.6
ROCKPOR226 KV RP2	BUCK-FE	2.1
ROCKPOR226 KV RP2	DAY_RESID_AGG	2.9
ROCKPOR226 KV RP2	MERIDIAN EWHITLEY	2.1
ROCKPOR226 KV RP2	MON POWER	0.2
RPMONE 18 KV 1	AEPAPCO_RESID_AGG	0.5
RPMONE 18 KV 1	AEPKY_RESID_AGG	10.1
RPMONE 18 KV 1	AEPOHIO W.O. MON POWER	2.4
RPMONE 18 KV 1	AMP-OHIO	0.3
RPMONE 18 KV 1	BUCK-FE	0.2
RPMONE 18 KV 2	AEPAPCO_RESID_AGG	0.5
RPMONE 18 KV 2	AEPKY_RESID_AGG	10.1
RPMONE 18 KV 2	AEPOHIO W.O. MON POWER	2.4
RPMONE 18 KV 2	AMP-OHIO	0.3
RPMONE 18 KV 2	BUCK-FE	0.2
RPMONE 18 KV 3	AEPAPCO_RESID_AGG	0.5
RPMONE 18 KV 3	AEPKY_RESID_AGG	10.1
RPMONE 18 KV 3	AEPOHIO W.O. MON POWER	2.4
RPMONE 18 KV 3	AMP-OHIO	0.3
RPMONE 18 KV 3	BUCK-FE	0.2
SAFEHARB13 KV UNIT1	BGE_RESID_AGG	1.6
SAFEHARB13 KV UNIT10	BGE	0.1
SAFEHARB13 KV UNIT10	BGE_RESID_AGG	3
SAFEHARB13 KV UNIT11	BGE	0.1
SAFEHARB13 KV UNIT11	BGE_RESID_AGG	3
SAFEHARB13 KV UNIT12	BGE	0.1
SAFEHARB13 KV UNIT12	BGE_RESID_AGG	3
SAFEHARB13 KV UNIT2	BGE_RESID_AGG	1.6
SAFEHARB13 KV UNIT3	BGE_RESID_AGG	1.6
SAFEHARB13 KV UNIT4	BGE_RESID_AGG	1.6
SAFEHARB13 KV UNIT5	BGE_RESID_AGG	1.6
SAFEHARB13 KV UNIT6	BGE_RESID_AGG	1.6

Source	Sink	Infeasible MW Quantity
SAFEHARB13 KV UNIT7	BGE_RESID_AGG	1.6
SAFEHARB13 KV UNIT8	BGE	0.1
SAFEHARB13 KV UNIT8	BGE_RESID_AGG	3
SAFEHARB13 KV UNIT9	BGE	0.1
SAFEHARB13 KV UNIT9	BGE_RESID_AGG	3
SALEM 13 KV SALEM3	PECO_RESID_AGG	0.3
SALEM 13 KV SALEM3	PSEG_RESID_AGG	0.3
SALEM 25 KV SALEM1	DEMEC	0.2
SALEM 25 KV SALEM1	DOVER	0.1
SALEM 25 KV SALEM1	DPL	1.7
SALEM 25 KV SALEM1	DPL_ODEC	1
SALEM 25 KV SALEM1	DPL_RESID_AGG	1
SALEM 25 KV SALEM1	EASTON	0.1
SALEM 25 KV SALEM1	PECO_RESID_AGG	20.1
SALEM 25 KV SALEM1	PSEG	0.7
SALEM 25 KV SALEM1	PSEG_RESID_AGG	17.2
SALEM 25 KV SALEM2	DEMEC	0.2
SALEM 25 KV SALEM2	DOVER	0.1
SALEM 25 KV SALEM2	DPL	1.7
SALEM 25 KV SALEM2	DPL_ODEC	1
SALEM 25 KV SALEM2	DPL_RESID_AGG	1
SALEM 25 KV SALEM2	EASTON	0.1
SALEM 25 KV SALEM2	PECO_RESID_AGG	20.1
SALEM 25 KV SALEM2	PSEG	0.7
SALEM 25 KV SALEM2	PSEG_RESID_AGG	18.2
SAMMISFE138 KV SL91	FEOHIO_RESID_AGG	10.8
SAMMISFE19 KV SH30	AMP-ATSI OH	4
SAMMISFE19 KV SH30	CPP	1.1
SAMMISFE19 KV SH30	FEOHIO_RESID_AGG	74.9
SAMMISFE19 KV SH40	AMP-ATSI OH	4
SAMMISFE19 KV SH40	CPP	1.1
SAMMISFE19 KV SH40	FEOHIO_RESID_AGG	71.8
SAMMISFE19 KV SH60	AMP-ATSI OH	8.7
SAMMISFE19 KV SH60	CPP	2.5
SAMMISFE19 KV SH60	FEOHIO_RESID_AGG	131.3
SAMMISFE19 KV SH70	AMP-ATSI OH	13.9
SAMMISFE19 KV SH70	CPP	3.8
SAMMISFE19 KV SH70	FEOHIO_RESID_AGG	166
SAMMISFE19 KV SL10	FEOHIO_RESID_AGG	75.6

Source	Sink	Infeasible MW Quantity
SAMMISFE19 KV SL20	FEOHIO_RESID_AGG	75.5
SAMMISFE23.4 KV SH50	FEOHIO_RESID_AGG	51.9
SANDERSO138 KV SAN1	AEPIM_RESID_AGG	10.4
SANDERSO138 KV SAN2	AEPIM_RESID_AGG	10.4
SANDERSO138 KV SAN3	AEPIM_RESID_AGG	34.5
SOUTHIMP	DOM_RESID_AGG	50
SPURLOCK18 KV SPURLK3	EKPC_RESID_AGG	88.5
SPURLOCK18 KV SPURLK4	EKPC_RESID_AGG	150.4
SPURLOCK22 KV SPURLK2	EKPC_RESID_AGG	79
TANNERSC13.8 KV TC1	AEPAPCO_RESID_AGG	0.2
TANNERSC13.8 KV TC1	AEPIM_RESID_AGG	21.6
TANNERSC13.8 KV TC1	AEPOHIO W.O. MON POWER	25
TANNERSC13.8 KV TC1	AMP-OHIO	0.5
TANNERSC13.8 KV TC1	BLUE RIDGE	0.2
TANNERSC13.8 KV TC1	BUCK-FE	0.2
TANNERSC13.8 KV TC1	DAY_RESID_AGG	0.1
TANNERSC13.8 KV TC2	AEPAPCO_RESID_AGG	0.2
TANNERSC13.8 KV TC2	AEPIM_RESID_AGG	21.6
TANNERSC13.8 KV TC2	AEPOHIO W.O. MON POWER	24.9
TANNERSC13.8 KV TC2	AMP-OHIO	0.5
TANNERSC13.8 KV TC2	BLUE RIDGE	0.2
TANNERSC13.8 KV TC2	BUCK-FE	0.2
TANNERSC13.8 KV TC2	DAY_RESID_AGG	0.1
TANNERSC18 KV TC3	AEPIM_RESID_AGG	30.8
TANNERSC18 KV TC3	AEPOHIO W.O. MON POWER	35.6
TANNERSC18 KV TC3	AMP-OHIO	0.4
TANNERSC18 KV TC3	BUCK-FE	0.2
TANNERSC20 KV TC4	AEPIM_RESID_AGG	77.2
TANNERSC20 KV TC4	AEPOHIO W.O. MON POWER	85
TANNERSC20 KV TC4	AMP-OHIO	0.9
TANNERSC20 KV TC4	BUCK-FE	0.6
TIDD_AEP24 KV CD2	BUCK-CIN	1.4
TIDD_AEP24 KV CD2	BUCK-FE	14.9
TIDD_AEP26 KV CD3	BUCK-CIN	1.4
TIDD_AEP26 KV CD3	BUCK-FE	14.9
TMI 20 KV UNIT01	JCPL	1
TMI 20 KV UNIT01	JCPL_RESID_AGG	7.3
TMI 20 KV UNIT01	METED_RESID_AGG	17.5
TWELVEPO13 KV 1	DUQ	1.5

Source	Sink	Infeasible MW Quantity
TWELVEPO13 KV 1	DUQ_RESID_AGG	15
TWELVEPO13 KV 2	DUQ	1.5
TWELVEPO13 KV 2	DUQ_RESID_AGG	15
TWELVEPO13 KV 3	DUQ	1.5
TWELVEPO13 KV 3	DUQ_RESID_AGG	15
TWELVEPO13 KV 4	DUQ	1.5
TWELVEPO13 KV 4	DUQ_RESID_AGG	15
TWELVEPO13 KV 5	DUQ	1.5
TWELVEPO13 KV 5	DUQ_RESID_AGG	15
TWELVEPO13 KV 6	DUQ	1.5
TWELVEPO13 KV 6	DUQ_RESID_AGG	15