

Case No.: EO-2008-0046

Schedule RJJ- 9

Aquila Missouri Flowgate Analysis

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Flowgate	Voltage*	Limit**	Reliability Coordinator	Major Contributors to Loading Powerflows	Major Contributors to Unloading Powerflows (Counterflows)
Iatan - Stranger Creek	345	1195	SPP	WR, KCPL, MPS, KACY	KCPL, MPS, AECI, NPPD, OPPD, LES
St. Joseph - Hawthorn	345	1138	SPP	KCPL, INDN, KACY, MPS, AECI	KCPL, MPS, AECI, NPPD, OPPD, LES
Iatan – St. Joseph	345	956	SPP	MPS, AECI, NPPD, OPPD, LES	KCPL, WR, WEPL
Overton - Sibley	345	956	MISO	MPS, KCPL, INDN, KACY, WR	AMRN, AECI, SWPA
Stilwell – Redel	161	335	SPP	MPS, INDN, KCPL, AECI	KCPL, WR
Duncan – Blue Springs East	161	324	SPP	KCPL, MPS	MPS, INDN, AECI
St. Joseph – Cook	161	315	SPP	MPS	AECI
Turner - Martin City	161	250	SPP	None	MPS
St. Joseph – Midway (1)	161	182	SPP	AECI	MPS
St. Joseph – Midway (2)	161	182	SPP	AECI	MPS
St. Joseph – Midway (3)	161	164	SPP	AECI	MPS
Maryville – Clarinda	161	168	MISO	OPPD	AECI, MPS

* Voltage of monitored element in kV

** Summer Emergency Limit

Analysis data was obtained from SPP list of flowgates and PowerWorld Simulator analysis of SPP powerflow case. Contributors are generally listed in descending order of flowgate power flow impacts (TDFs).

Contributor Naming Key

Utility Name	Acronym	RTO Market
Ameren	AMRN	MISO
Aquila Missouri	MPS	None
Associated Electric Coop	AECI	None
City of Independence	INDN	None
Kansas City BPU	KACY	SPP
Kansas City Power and Light	KCPL	SPP
Lincoln Electric System	LES	None
Nebraska Public Power District	NPPD	None
Omaha Public Power District	OPPD	None
Southwestern Power Admin.	SWPA	None
West Plains Power and Light	WEPL	SPP
Western Resources (Westar)	WR	SPP