

PROMOD Projected Congestion Data

**PROMOD Projected Congestion Data
2026 - AAT**

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
HG_CONVRTR_N107326 ISO-NE HG_CONVRTR_S107324 ISO-NE	1	No Outage	ISO-NE	ISO-NE	4469	-3.79	3734	2.82	8203	6.61
CONAWAP4 667000 MHEB RIEL 4 667041 MHEB	1	No Outage	MHEB	MHEB	6292	-6.3	2466	2.38	8758	8.68
INTERFACE PJM Eastern Interfac 7	1	No Outage			25	-0.51	0	0	25	0.51
INTERFACE PJM-CENTRAL INTERFAC 8	1	No Outage			827	-11.29	23	0.64	850	11.93
INTERFACE PJM- WESTERN INTERFA 9	1	No Outage			45	-0.76	0	0	45	0.76
INTERFACE AP South Interface 10	1	No Outage			75	-1.3	0	0	75	1.3
INTERFACE McGulpin - Straits 17	1	No Outage			2724	-29.23	1404	12.55	4128	41.78
INTERFACE SPPSPSTIES 18	1	No Outage			0	0	41	0.25	41	0.25
INTERFACE GRIS_LNC 20	1	No Outage			93	-2.5	2	0.07	95	2.57
INTERFACE COOPER_S 21	1	No Outage			444	-16.01	0	0	444	16.01
INTERFACE FTCAL_SOUTH 22	1	No Outage			0	0	39	1.56	39	1.56
INTERFACE SPS North - South 24	1	No Outage			230	-3.87	0	0	230	3.87
INTERFACE MHEX_S 25	1	No Outage			0	0	4	0.03	4	0.03
INTERFACE MH_ONT_W 27	1	No Outage			1161	-9.64	3686	88.41	4847	98.05
INTERFACE DYSINGER 7001 28	1	No Outage			38	-0.48	0	0	38	0.48
INTERFACE NY WEST CENTRAL 29	1	No Outage			31	-0.16	2	0	33	0.16
INTERFACE ADIRONDACK - CENTRAL 30	1	No Outage			0	0	3906	5.02	3906	5.02
INTERFACE EDISON LONGISLAND 33	1	No Outage			769	-0.04	2625	1	3394	1.04
INTERFACE DUNWOODIE - SOUTH TI 34	1	No Outage			2992	-12.78	0	0	2992	12.78
INTERFACE IESO-MP 39	1	No Outage			4292	-89.32	227	3.24	4519	92.56
INTERFACE HYDROONE_ONT-ITC 41	1	No Outage			5	-0.03	0	0	5	0.03
INTERFACE ONT-NYIS 42	1	No Outage			952	-1.21	4269	39.19	5221	40.4
COALCREEK NOMO 1	1	No Outage			3784	-41.52	3378	33.3	7162	74.82
MISO-ONT Nomogram 2	1	No Outage			3269	-56.2	3685	32.53	6954	88.73
North South Constraint 3	1	No Outage			888	-3.86	34	0.14	922	4
OAHE 4 652519 WAUE SULLYBT4 652521 WAUE	1	No Outage	WAUE	WAUE	3	-1.33	0	0	3	1.33
POWERTON ; R270855 COMED 7TAZEWELL 349662 AMIL	1	No Outage	COMED	AMIL	6	-0.05	0	0	6	0.05
05DANVL2 242620 AEP 05EDAN 1 242631 AEP	1	No Outage	AEP	AEP	160	-56.05	0	0	160	56.05
CDRGV 216915 PSEG ROSELAND 216950 PSEG	1	No Outage	PSEG	PSEG	1566	-0.52	14	0	1580	0.52
CHERRY VA; B270694 COMED SILVER LK; R270883 COMED	1	No Outage	COMED	COMED	1	-0.03	0	0	1	0.03
E FRANKFO; R270729 COMED GOODINGS ;1R270767 COMED	1	No Outage	COMED	COMED	3	-0.02	0	0	3	0.02
ELECT JCT; B270730 COMED NELSON ; B270828 COMED	1	No Outage	COMED	COMED	0	0	11	1.33	11	1.33
26ERIE E 200654 PENELEC 26FOURMILE 200928 PENELEC	1	No Outage	PENELEC	PENELEC	2825	-416.93	0	0	2825	416.93
ESSEX_PAR 217124 PSEG ESSEX_PLEADS219078 PSEG	1	No Outage	PSEG	PSEG	651	-0.02	5733	0.8	6384	0.82
ATHENIA_3 216901 PSEG ERUTHF_1 217304 PSEG	1	No Outage	PSEG	PSEG	13	0	0	0	13	0
FTSLO PS 224121 PEPCO FTSLO 69 224122 PEPCO	1	No Outage	PEPCO	PEPCO	3138	-1.1	4480	0.65	7618	1.75
QUAD 1 3-11 270864 COMED ROCK CK3 631141 ALTW	1	No Outage	COMED	ALTW	5	-4.66	0	0	5	4.66
SAHA34TP 208071 PPL GRACETON 220964 BGE	1	No Outage	PPL	BGE	7	-0.27	0	0	7	0.27
26SHELOCTA 200795 PENELEC 26KEYSTONE 200810 PENELEC	1	No Outage	PENELEC	PENELEC	12	-0.45	0	0	12	0.45

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SPRINGRD_2 216911 PSEG ALDENE_6 218345 PSEG	1	No Outage	PSEG	PSEG	0	0	80	0.64	80	0.64
26TIFFANY 200679 PENELEC 26LAUREL L 200680 PENELEC	1	No Outage	PENELEC	PENELEC	0	0	142	13.38	142	13.38
WALDWICK 217062 PSEG WALDWICK 217063 PSEG	1	No Outage	PSEG	PSEG	0	0	6104	53.43	6104	53.43
WEMPLETOW; B270918 COMED WEMPLETOW;4M275231 COMED	1	No Outage	COMED	COMED	1	-0.04	376	24.82	377	24.86
28WHIPPANY 206257 JCPL ROSELAND 216950 PSEG	1	No Outage	JCPL	PSEG	0	0	380	8.29	380	8.29
WSPTSEC2 221331 BGE WP PH.S2 221373 BGE	1	No Outage	BGE	BGE	510	-0.02	1991	0.33	2501	0.35
5BRTAP 340624 BREC 5PARADISE FP360043 TVAZ	1	No Outage	BREC	TVAZ	1	-0.04	0	0	1	0.04
ARROWHD4 608615 MP AWHD PST 699448 WPS	1	No Outage	MP	WPS	224	-2.33	0	0	224	2.33
19DIGTP 264610 DECO 19WTRMN 264690 DECO	1	No Outage	DECO	DECO	1	0	1	0	2	0
19BLRPP 264604 DECO 19STCPP 264656 DECO	1	No Outage	DECO	DECO	1	0	0	0	1	0
NORTHWEST; R272129 COMED NORTHWEST;8S272135 COMED	1	No Outage	COMED	COMED	0	0	1	0	1	0
STATELINE; R272503 COMED STATELINE;5S272507 COMED	1	No Outage	COMED	COMED	8	-0.08	0	0	8	0.08
STATELINE;3B272504 COMED STATELINE;2S272506 COMED	1	No Outage	COMED	COMED	570	-7.92	0	0	570	7.92
RIDGELAND; B272352 COMED RIDGELAND;BS272354 COMED	1	No Outage	COMED	COMED	302	-0.15	0	0	302	0.15
RAM PAR 126296 NY RAMAPO 126297 NY	1	No Outage	NY	NY	234	-0.01	7640	23.54	7874	23.55
RAM PAR 126296 NY RAMAPO 126297 NY	1	No Outage	NY	NY	207	-0.01	7673	23.55	7880	23.56
LARSON 4659372 BEPC TIOGA4 4 661084 BEPC	1	No Outage	BEPC	BEPC	0	0	2677	23.07	2677	23.07
LARSON 4659372 BEPC BDV 4 672603 SPC	1	No Outage	BEPC	SPC	0	0	3414	29.51	3414	29.51
6BLYTHE 312706 NC-SC 6VCS1_1 371111 NC-SC	1	No Outage	NC-SC	NC-SC	0	0	2	5.34	2	5.34
6SRS2 371308 NC-SC 6VOGTLE 380115 SE	1	No Outage	NC-SC	SE	0	0	5	2.08	5	2.08
GENTLMN3 640183 NPPD REDWILO3 640325 NPPD	1	No Outage	NPPD	NPPD	30	-1.86	0	0	30	1.86
MONONA 5 635300 MEC MONONA 8 635301 MEC	1	No Outage	MEC	MEC	38	-0.75	0	0	38	0.75
YBUS2615 97383 MDU COYOTE 7 661018 OTP	1	No Outage	MDU	OTP	82	-2.21	0	0	82	2.21
HELENA 3 601050 NSP SCOTTCO3 601055 NSP	1	No Outage	NSP	NSP	5	-0.29	0	0	5	0.29
HIBBARD7 608676 MP WNTR ST7 608680 MP	1	No Outage	MP	MP	386	-0.27	0	0	386	0.27
TOWNLINE 699141 ALTE BASSCRK 699897 ALTE	1	No Outage	ALTE	ALTE	24	-19.93	0	0	24	19.93
CNASTONE 200004 BGE PCHBTM1S 200064 PECO	1	No Outage	BGE	PECO	0	0	2653	192.31	2653	192.31
18ALBAJ 256031 CONS STOVER 256275 CONS	1	No Outage	CONS	CONS	0	0	283	36.63	283	36.63
CLYBOURN ; B271218 COMED DIVERSEY ; B271326 COMED	1	No Outage	COMED	COMED	259	-0.05	0	0	259	0.05
CLYBOURN ; B271218 COMED WEST LOOP; G272762 COMED	1	No Outage	COMED	COMED	0	0	24	0.18	24	0.18
GRENSHAW ; R271579 COMED WASHINGTO; R272727 COMED	1	No Outage	COMED	COMED	0	0	101	0.12	101	0.12
4KEWANEE STP348924 AMIL 4KEWANEE S 348974 AMIL	1	No Outage	AMIL	AMIL	0	0	3	0.75	3	0.75
WEBER RD ; B272742 COMED WILL CNTY;BT272784 COMED	1	No Outage	COMED	COMED	0	0	58	59.76	58	59.76
ST LAKE5 602017 NSP MINONG 5 608631 MP	1	No Outage	NSP	MP	143	-0.05	0	0	143	0.05
05APPLY 242955 AEP 05NLEXTN 243061 AEP	1	No Outage	AEP	AEP	0	0	50	13.05	50	13.05
07RATTAP 248428 HE 16PETE 254638 IPL	1	No Outage	HE	IPL	0	0	75	6.9	75	6.9
HANKSON4 620327 OTP WAHPETN4 620329 OTP	1	No Outage	OTP	OTP	108	-15.71	0	0	108	15.71
05LEESVI 242701 AEP 4ALTVSTA 314667 DOM	1	No Outage	AEP	DOM	6	-3.62	0	0	6	3.62
4W FKFT E 348416 AMIL 4FRANKLIN 350216 SIPC	1	No Outage	AMIL	SIPC	15	-8.82	0	0	15	8.82

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WILMART3 601004 NSP SHEAS LK3 601072 NSP	1	No Outage	NSP	NSP	117	-14.05	0	0	117	14.05
ATCHSN 3 635017 MEC COOPER 3 640139 NPPD	1	No Outage	MEC	NPPD	623	-12.29	0	0	623	12.29
5MATANZAS 324173 LKE 5BRTAP 340624 BREC	1	No Outage	LKE	BREC	40	-10.11	0	0	40	10.11
MNTZUMA3 635730 MEC HILLS 3 636400 MEC	1	No Outage	MEC	MEC	2	-0.01	0	0	2	0.01
08CONERV 249714 DUK-IN 08LEWSVL 249783 DUK-IN	1	No Outage	DUK-IN	DUK-IN	0	0	24	2.41	24	2.41
ROLLETTE 230620378 OTP RUGBY 4 620379 OTP	1	No Outage	OTP	OTP	0	0	250	5.12	250	5.12
5LEBJCTT 324150 LKE 5PADDYSR 324154 LKE	5	242510-242511 05BAKER -05BROADF 1	LKE	LKE	0	0	10	19.1	10	19.1
5MARYVL 300097 AECIZ 5NODWAY 300104 AECIZ	8	541252-541253 ST JOEREA 5 -ST JOE 5 Z	AECIZ	AECIZ	0	0	2	0.22	2	0.22
5PINEVSW 324156 LKE 5PINEVILL KY360452 TVAZ	29	324073-360102 8POCKETN -8PHIPPS B NP1	LKE	TVAZ	138	-48.52	0	0	138	48.52
5FAIRPT 300076 AECIZ 5OSBORN 300107 AECIZ	34	541199-542980 ST JOE 3 -NASHUA 7 1; 542972-542980 HAWTH 7 -NASHUA 7 1	AECIZ	AECIZ	6	-1.15	0	0	6	1.15
POWERTON ; R270855 COMED 7TAZEWEEL 349662 AMIL	40	270769-270855 GOODINGS ;2R-POWERTON ; R1	COMED	AMIL	26	-0.19	0	0	26	0.19
SUNNYVAL 699666 WPS SHRMN ST 699704 WPS	44	694002-694068 ARPIN B3 -ROCKY RN B8 1	WPS	WPS	0	0	18	5.19	18	5.19
05BENTON 243212 AEP 05BENTON 243250 AEP	48	243212-243215 05BENTON -05COOK 1	AEP	AEP	18	-2.1	0	0	18	2.1
LORETTO ; B270704 COMED PONTIAC ; B270852 COMED	59	270717-270853 DRESDEN ; R-PONTIAC ; R1	COMED	COMED	0	0	47	2.53	47	2.53
02AVON 238551 FE-ATSI 02LAKEAVE 239725 FE-ATSI	68	238551-239725 02AVON -02LAKEAVE 1	FE-ATSI	FE-ATSI	0	0	11	8.09	11	8.09
05DANVL2 242620 AEP 05EDAN 1 242631 AEP	104	242519-314912 05CLOVRD -8LEXNGTN 1	AEP	AEP	78	-6.65	0	0	78	6.65
05DANVL2 242620 AEP 05EDAN 1 242631 AEP	115	242520-306719 05J.FERR -8ANTIOCH 1	AEP	AEP	1420	-190.84	0	0	1420	190.84
05TANNER 243233 AEP 08M.FORT 249567 DUK-OH	134	249565-249575 08EBEND -08TERMNL 1	AEP	DUK-OH	932	-123.86	0	0	932	123.86
08M.FORT 250057 DUK-OH 08HEBTAP 250151 DUK-OH	134	249565-249575 08EBEND -08TERMNL 1	DUK-OH	DUK-OH	13	-16.96	0	0	13	16.96
6CHARLVL 314749 DOM 6PROFFIT 314772 DOM	158	314908-314910 8ELMONT -8CUNNING 1	DOM	DOM	1	-0.12	0	0	1	0.12
3RIVERTON 337338 EES-LA 3RILLA! 337386 EES-LA	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-LA	EES-LA	0	0	2	0.1	2	0.1
3PARNELL RD 337545 EES-ARK 3NEWELL 337546 EES-ARK	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-ARK	EES-ARK	6	-7.13	0	0	6	7.13
3WYATT! 337544 EES-ARK 3PARNELL RD 337545 EES-ARK	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-ARK	EES-ARK	237	-98.86	0	0	237	98.86
DOLHILL7 500250 CLEC DOLHILL6 500260 CLEC	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	CLEC	CLEC	161	-8.02	0	0	161	8.02
3MINDEN_LA! 337361 EES-LA 3SAREPTA! 337363 EES-LA	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-LA	EES-LA	0	0	26	5.96	26	5.96
3DOWNSVILLE 337374 EES-LA 3STERL2% 337414 EES-LA	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-LA	EES-LA	0	0	9	10.57	9	10.57
3ROCKYMT115T304223 NC-SC 3BTLEBRO 314554 DOM	163	304183-314935 8WAKE 500 TT-8HERITAGE 1	NC-SC	DOM	0	0	1532	397.32	1532	397.32
6GREENVILLE T304451 NC-SC 6EVERETS 314574 DOM	163	304183-314935 8WAKE 500 TT-8HERITAGE 1	NC-SC	DOM	0	0	108	20.25	108	20.25
6PERSON230 T304070 NC-SC 6HAUFAX 314697 DOM	163	304183-314935 8WAKE 500 TT-8HERITAGE 1	NC-SC	DOM	0	0	90	10.38	90	10.38
INTERFACE AP SOUTH L/O BED-BLA 46	168	235101-235103 01BEDNGT -01BLACKO 1			0	0	16	0.6	16	0.6
WATERMAN ;3B272730 COMED W DEKALB ;3T272756 COMED	192	270730-270828 ELECT JCT; B-NELSON ; B1	COMED	COMED	0	0	2	0.12	2	0.12
WEMPLETOW; B270918 COMED WEMPLETOW;4M275231 COMED	196	270679-270918 BYRON ; R-WEMPLETOW; B1	COMED	COMED	0	0	730	51.27	730	51.27
01KRENDL 235205 APS 02SENECA 239099 FE-ATSI	197	235104-239280 01CABOT -02CRNBRY 1	APS	FE-ATSI	2	-0.06	4	0.44	6	0.5
01MITCHL 235124 APS 15WILSON 254018 DUQ	198	235104-239280 01CABOT -02CRNBRY 1; 235703-239280 01WYLIE R -02CRNBRY 1	APS	DUQ	5	-0.45	0	0	5	0.45
NOTTINGHM 213844 PECO NOTTREAC 213846 PECO	202	200004-200064 CNASTONE -PCHBTM1S 1	PECO	PECO	3	-0.29	0	0	3	0.29
QUAD 8-10 270867 COMED MECCORD3 636605 MEC	204	270700-270867 CORDOVA ; B-QUAD 8-10 1	COMED	MEC	32	-2.62	0	0	32	2.62

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PLYMTG 3	213908	PECO	WHITPAN3	214037	206	213525-214213 CROMBY 5 -LOCK 1	PECO	PECO	0	0	6	6.74	6	6.74
CUMB TR2	207950	PPL	JUNI BU1	208004	210	207955-208005 DAUP TR2 -JUNI BU2 1	PPL	PPL	0	0	53	9.31	53	9.31
DRESDEN ; R270717	COMED	DRESDEN ; 3M275180	COMED	215	270717-270737 DRESDEN ; R-ELWOOD ; R1	COMED	COMED	386	-116.3	0	0	386	116.3	
01CARNEG	235311	APS	05TIDD	243127	256	235363-243127 01MAHNSL -05TIDD 1	APS	AEP	0	0	2	0.3	2	0.3
26ERIE E	200654	PENELEC	26FOURMILE	200928	307	135398-200942 SW345 -26PIERCEBRK 1	PENELEC	PENELEC	574	-42.44	0	0	574	42.44
01WYLIE R	235703	APS	01WYLIE R	235707	323	235703-235707 01WYLIE R -01WYLIE R 5; 235703-235707	APS	APS	0	0	8	0.56	8	0.56
06CLIFTY	248000	AEP	7TRIMBLE	324114	338	243208-243209 05JEFRSO -05ROCKPT 1	AEP	LKE	0	0	174	50.82	174	50.82
7DAVIESS	324104	LKE	7COLEMAN	340563	338	243208-243209 05JEFRSO -05ROCKPT 1	LKE	BREC	0	0	9	1.11	9	1.11
KINCAID ; B270796	COMED	7AUSTIN	347955	345	270797-347945 KINCAID ; R-7PANA 1	COMED	AMIL	17	-0.12	0	0	17	0.12	
5HNBL 1	344697	AMMO	5PALMYRA	345437	346	345230-345992 7MONTGMRY -7SPENCER 1	AMMO	AMMO	0	0	350	59.98	350	59.98
5CYRENE	300595	AECIZ	5PIKE S	345498	346	345230-345992 7MONTGMRY -7SPENCER 1	AECIZ	AMMO	0	0	11	0.88	11	0.88
5THMHIL	300120	AECIZ	5ADAIR1	344004	346	345230-345992 7MONTGMRY -7SPENCER 1	AECIZ	AMMO	5	-0.86	4	0.48	9	1.34
4MIDWAY E	348730	AMIL	4SCHRAMCY	TP348788	347	346895-347945 7COFFEEEN -7PANA 1	AMIL	AMIL	0	0	5	0.29	5	0.29
5FREDTN	300079	AECIZ	5FREDTOWN	344586	348	344974-345773 7LUTESVIL -7ST FRANC 1	AECIZ	AMMO	0	0	3	4.15	3	4.15
5MORILTON.EI337921	EES-ARK	5GLEASON	337927	EES-ARK	352	337922-337937 8P.HILL% -8MAYFLOWER% 1	EES-ARK	EES-ARK	1406	-542.31	0	0	1406	542.31
05FALL C	243292	AEP	08NEWCAS	249810	359	243222-243292 05FALL C -05FALL C 2	AEP	DUK-IN	389	-38.93	0	0	389	38.93
5MONTCT	300099	AECIZ	5WLMSBG	300523	362	345088-345230 7MCCREDIE -7MONTGMRY 1; 345088-	AECIZ	AECIZ	0	0	419	24	419	24
BYRON 5	613070	SMP	GRE-PL VLLY5615307	GRE	376	613060-615306 BYRON 3 -GRE-PL VLLY31	SMP	GRE	0	0	817	19.19	817	19.19
ADAMS L1 5	631122	ALTW	ROCHSTR5	681537	378	601002- 97986 ADAMS 3 -YBUS2012 9; 601002-615306	ALTW	DPC	6	-0.27	0	0	6	0.27
HENRYCO5	631106	ALTW	DENMARK5	631108	383	ADAMS 3 -GRE-PL VLLY31; 613060-615306 BYRON 3 -GRE-	ALTW	ALTW	189	-57.69	0	0	189	57.69
M-TOWN 7	631004	ALTW	BLRSTWN7	631013	383	PL VLLY31	ALTW	ALTW	1	-0.28	0	0	1	0.28
WAPELLO5	631110	ALTW	JEFF 5	631111	383	635730-636400 MNTZUMA3 -HILLS 3 1	ALTW	ALTW	867	-387.84	0	0	867	387.84
OTTUMWA5	631115	ALTW	OTTUMWA3	631143	383	635730-636400 MNTZUMA3 -HILLS 3 1	ALTW	ALTW	0	0	1	0.09	1	0.09
OTTUMWA3	631143	ALTW	MNTZUMA3	635730	383	635730-636400 MNTZUMA3 -HILLS 3 1	ALTW	MEC	0	0	5	0.17	5	0.17
PARNEL 5	631085	ALTW	POWESHK5	631113	383	635730-636400 MNTZUMA3 -HILLS 3 1	ALTW	ALTW	0	0	10	3.25	10	3.25
KELLOGG5	635221	MEC	LEEDS 5	635226	384	635200-652564 RAUN 3 -SIOUXCY3 1	MEC	MEC	3	-1.35	0	0	3	1.35
CBLUFFS3	635000	MEC	S3456 3	645456	385	635100-635635 RLHILLS3 -MADISON3 1	MEC	OPPD	1	0	0	0	1	0
POWESHK5	631113	ALTW	REASNOR5	631117	387	635680-635730 BONDRNT3 -MNTZUMA3 1	ALTW	ALTW	0	0	522	42.07	522	42.07
REASNOR5	631117	ALTW	RISING SUN	5635675	387	635680-635730 BONDRNT3 -MNTZUMA3 1	ALTW	MEC	0	0	67	12.67	67	12.67
FRANKLN5	636230	MEC	WALL LK5	636235	387	635680-635730 BONDRNT3 -MNTZUMA3 1	MEC	MEC	0	0	1	0	1	0
RAUN 3	635200	MEC	HIGHLND 3	635400	388	631138-635368 LAKEFLD3 -OBRIEN 3 1	MEC	MEC	0	0	573	14.23	573	14.23
LAKEFLD L1	5631041	ALTW	DKSN_CO5	631124	388	631138-635368 LAKEFLD3 -OBRIEN 3 1	ALTW	ALTW	0	0	47	0.37	47	0.37
PT BCH3	699211	WEC	KEWAUNEE	699630	397	694022-699359 FOXRIVER B1 -N APPLETON 1	WEC	WPS	4	-0.16	0	0	4	0.16
QUAD 1 3-11	270864	COMED	ROCK CK3	631141	414	270866-636610 QUAD 6-7 -SUB 91 3 1	COMED	ALTW	34	-2.6	0	0	34	2.6
NFL 138	699175	ALTE	AVIATION	699677	415	694072-699669 SFL 345 B4 -FTZGERLD 1; 699359-699669 N	ALTE	WPS	24	-0.97	0	0	24	0.97
BLUMND6	698865	WEC	BUTLER	699268	422	APPLETON -FTZGERLD 1	WEC	WEC	1	-0.06	17	1.74	18	1.8
ACEC BADGERW698840	ALTE	PETENWEL	699808	WPS	430	699253-699329 ARCADN1 -GRANVL1 1	ALTE	WPS	0	0	553	85.59	553	85.59

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
17WOLF_LAKE 255190 NIPS STATELINE; R272503 COMED	434	255111-270674 17SHEFFIELD -BURNHAM ; B1	NIPS	COMED	0	0	5	0.19	5	0.19
7RUSH 1 345667 AMMO 7RUSH 2 345668 AMMO	439	346992-360002 7E W FKFT -7SHAWNEE FP 1	AMMO	AMMO	1	0	0	0	1	0
5RENSHAW 350218 SIPC 5MARIONCT 350225 SIPC	439	346992-360002 7E W FKFT -7SHAWNEE FP 1	SIPC	SIPC	0	0	14	12.53	14	12.53
NW_BELOIT 698058 ALTE PAD 138 699059 ALTE	449	699059-699141 PAD 138 -TOWNLINE 1	ALTE	ALTE	0	0	111	19.55	111	19.55
08BLOOM 249605 DUK-IN 08DENOIS 249613 DUK-IN	452	249502-249506 08BEDFRD -08COLMBU 1	DUK-IN	DUK-IN	6	-4.74	0	0	6	4.74
07RATTAP 248428 HE 16PETE 254638 IPL	453	248773-248792 07MEROM5 -07WORTHN 1	HE	IPL	0	0	431	72.35	431	72.35
08CLOVDL 249708 DUK-IN 08STILVL 249855 DUK-IN	454	249505-249516 08CAYUGA -08NUCOR 1	DUK-IN	DUK-IN	9	-19.79	0	0	9	19.79
3ELLIOTT+ 337062 EES-MS 3S.GRENADA! 337063 EES-MS	457	337009-337010 8MCADAMS% -8WOLFCREEK% 1	EES-MS	EES-MS	0	0	19	6.02	19	6.02
08FAIRVW 249723 DUK-IN 4GHENT 324253 LKE	460	249501-324105 08BATESV -7GHENT 1	DUK-IN	LKE	0	0	1	0.33	1	0.33
19PONTC 264635 DECO 19BAUER 265075 DECO	463	256026-264580 18THETFD -19JEWEL 1	DECO	DECO	0	0	10	2.99	10	2.99
08FVPTS2 249677 DUK-IN 16FVE_T 254591 IPL	489	249513-249529 08HORTVL -08WHITST 1	DUK-IN	IPL	0	0	2	1.02	2	1.02
BONDRNT3 635680 MEC MNTZUMA3 635730 MEC	510	631142-631148 ARNOLD 3 -MORGANV3 1	MEC	MEC	195	-5.83	0	0	195	5.83
ARNOLD 5 631088 ALTW DWNTWN IND5 631188 ALTW	510	631142-631148 ARNOLD 3 -MORGANV3 1	ALTW	ALTW	253	-55.32	0	0	253	55.32
NIW 5 631036 ALTW COLBY5 631202 ALTW	513	631139-631144 HAZLTON3 -MITCHLCO3 1	ALTW	ALTW	1	-0.03	0	0	1	0.03
19STCPP 264656 DECO 19STCPP 264830 DECO	550	160050-264656 LAMBTON_L4D -19STCPP 1	DECO	DECO	19	0	619	0	638	0
19BUNCE1 264536 DECO 19FITZ 265228 DECO	550	160050-264656 LAMBTON_L4D -19STCPP 1	DECO	DECO	70	0	560	0	630	0
GRANVL 4 699331 WEC TOSA-W 699492 WEC	553	699268-699327 BUTLER -GRANVL 5 1	WEC	WEC	10	-5.59	0	0	10	5.59
CYPRESS 693580 WEC FORST JT B5 694018 WEC	557	698870-699865 GRANVL2 -SEC 1	WEC	WEC	0	0	9	2.89	9	2.89
CYPRESS 693580 WEC ARCADN3 699247 WEC	557	698870-699865 GRANVL2 -SEC 1	WEC	WEC	13	-6.08	0	0	13	6.08
CEDRSAUK B4 694007 WEC EDG BUS2 694009 ALTE	557	698870-699865 GRANVL2 -SEC 1	WEC	ALTE	0	0	183	33.7	183	33.7
ELKHT L 699299 WEC FOREST J 699533 WEC	557	698870-699865 GRANVL2 -SEC 1	WEC	WEC	0	0	311	91.69	311	91.69
AVOCA 5 504000 SPP-C EROGERS5 506931 SPP-C	561	506935-549984 FLINTCR7 -BROOKLINE 71	SPP-C	SPP-C	0	0	138	17.4	138	17.4
BEAVER 5 505480 SPP-C EUREKA 5 506932 SPP-C	561	506935-549984 FLINTCR7 -BROOKLINE 71	SPP-C	SPP-C	54	-12.82	0	0	54	12.82
7BLACKBERRY 300739 AECIZ 7JASPER 300949 AECIZ	561	506935-549984 FLINTCR7 -BROOKLINE 71	AECIZ	AECIZ	143	-26.71	0	0	143	26.71
SPRGFLD5 505492 SPP-C LAR382 5 547479 EDE	561	506935-549984 FLINTCR7 -BROOKLINE 71	SPP-C	EDE	0	0	1	0.12	1	0.12
3PATMOS.W# 338875 EES-ARK FULTON 3 503912 SPP-C	581	337376-508809 7SAREPTA% -LONGWD 7 1	EES-ARK	SPP-C	0	0	2034	251.91	2034	251.91
WOODRNG7 514715 SPP-C MATHWSN7 515497 SPP-C	583	514880-514881 NORTHWEST7 -SPRNGCK7 1	SPP-C	SPP-C	1	-0.01	0	0	1	0.01
TAHLQH 5 512655 SPP-C HWY59 5 515347 SPP-C	590	515224-515302 MUSKOGEE7 -FTSMITH7 1	SPP-C	SPP-C	140	-42.99	0	0	140	42.99
LONEOAK4 510897 SPP-C ENOWILT4 510944 SPP-C	592	510907-510911 PITTSB-7 -VALIANT7 1	SPP-C	SPP-C	20	-12.88	0	0	20	12.88
TUPELO 4 505600 SPP-C TUPLOTP4 521071 SPP-C	592	510907-510911 PITTSB-7 -VALIANT7 1	SPP-C	SPP-C	0	0	2088	828.96	2088	828.96
CARNEG-4 511445 SPP-C HOB-JCT4 511463 SPP-C	597	511456-525832 O.K.U.-7 -TUCCO_INT 71	SPP-C	SPP-C	0	0	51	1.61	51	1.61
TEKAMAHS 640377 NPPD 51226 5 646226 OPPD	599	635200-645451 RAUN 3 -S3451 3 1	NPPD	OPPD	0	0	3	0.38	3	0.38
RAUN 5 635201 MEC TEKAMAHS 640377 NPPD	599	635200-645451 RAUN 3 -S3451 3 1	MEC	NPPD	51	-9.8	0	0	51	9.8
MIDLNTN4 514804 SPP-C PECKHMT4 515381 SPP-C	608	515543-532798 RENFROW7 -VIOLA 7 1	SPP-C	SPP-C	0	0	1	0.03	1	0.03
5MORGAN 300101 AECIZ STOCKTN5 505498 SPP-C	612	300045-549984 7MORGAN -BROOKLINE 71	AECIZ	SPP-C	0	0	3	0.26	3	0.26
WINDFRM4 515785 SPP-C MOORLND4 520999 SPP-C	618	514785- 98541 WOODWRD4 -YBUS1457 1	SPP-C	SPP-C	0	0	1	0.13	1	0.13
S3456 3 645456 OPPD S3458 3 645458 OPPD	625	645455-645740 S3455 3 -S3740 3 1	OPPD	OPPD	0	0	179	20.46	179	20.46
COOPER 3 640139 NPPD S3458 3 645458 OPPD	626	640139-640277 COOPER 3 -MOORE 3 1	NPPD	OPPD	6	-0.33	0	0	6	0.33
MOORE 3 640277 NPPD NW68HOLDRG3 650114 LES	627	650185-650189 WAGENER 3 -103&ROKEBY3 1	NPPD	LES	200	-18.69	0	0	200	18.69
3SRSLUCE 388811 SMEPA 3WADE S53 388816 SE	630	335836-388700 8MCKNIGHT% -8DANIEL8 1	SMEPA	SE	0	0	1	0.71	1	0.71
5NEWPORT! 338151 EES-ARK 5NEWPORT-E# 338733 EES-ARK	631	338145-338156 8ISES% -8JB-EHV% 1	EES-ARK	EES-ARK	12	-2.99	0	0	12	2.99
3ALTO_LA 337331 EES-LA 3SWARTZ! 337390 EES-LA	632	336830-337427 8BXTRWILSON%-8PERRYVILLE%1	EES-LA	EES-LA	0	0	20	11.23	20	11.23

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
3CARSON 337450 EES-LA 3DELHI_RX 337453 EES-LA	632	336830-337427 8BXRWILSON%-8PERRYVILLE%1	EES-LA	EES-LA	105	-55.31	0	0	105	55.31
3NATCHEZSES%336500 EES-MS 3RED_GUM! 337327 EES-LA	632	336830-337427 8BXRWILSON%-8PERRYVILLE%1 380003-380011 8NORCROSS -8S HALL 1; 381341-383000	EES-MS	EES-LA	0	0	8	0.48	8	0.48
6RUSSEL 339100 SE 6LEXINGTON 380104 SE	636	6NANCY HART -6HW ENERGY 1	SE	SE	10	-0.65	0	0	10	0.65
6SRS2 371308 NC-SC 6VOGTLE 380115 SE	640	380003-380011 8NORCROSS -8S HALL 1	NC-SC	SE	0	0	4	1.42	4	1.42
3MARION115 T304632 NC-SC 3DILLON TAP 304653 NC-SC	645	306337-309025 8NEWPORT -8RICHMNRTRT Z	NC-SC	NC-SC	1	-4.46	0	0	1	4.46
3PISGAH 304750 NC-SC PISGAH 306190 NC-SC	646	304750-306190 3PISGAH -PISGAH 1	NC-SC	NC-SC	7	-0.84	0	0	7	0.84
6NEWPORT 306333 NC-SC 6VCS1_2 371112 NC-SC	648	312716-312727 6NEWBER -6GWD CO 1	NC-SC	NC-SC	0	0	2538	595.58	2538	595.58
HIGH RCK 339003 NC-SC TUCKERTN 339005 NC-SC	649	306850-306848 8PL GRDN -6PL GRDN 5	NC-SC	NC-SC	0	0	234	128.43	234	128.43
6SUMTER230 T304700 NC-SC 6WATEREE1 370101 NC-SC	663	304677-312714 6KINGSTR230T-6KNGSTRE 1	NC-SC	NC-SC	0	0	2	0.16	2	0.16
5KNOX TN 360458 TVAZ 5DOUGLAS HP 360465 TVAZ	668	360097-360102 8VOLUNTEER -8PHIPPS B NP1	TVAZ	TVAZ	38	-69.69	0	0	38	69.69
5BRTAP 340624 BREC 5PARADISE FP360043 TVAZ	668	360097-360102 8VOLUNTEER -8PHIPPS B NP1	BREC	TVAZ	0	0	2	0.01	2	0.01
8OCONEE 306008 NC-SC 8S HALL 380011 SE	670	380021-382499 8MOSTELLER -8CONASAUGA 1	NC-SC	SE	84	-4.41	0	0	84	4.41
5ROBBINS 308485 NC-SC 5SANTEEHLAH 375031 TVAZ	670	380021-382499 8MOSTELLER -8CONASAUGA 1	NC-SC	TVAZ	0	0	87	29.59	87	29.59
5ALBERTVILLE360283 TVAZ 5ATTALLAS 384332 SE	670	380021-382499 8MOSTELLER -8CONASAUGA 1	TVAZ	SE	359	-101.96	0	0	359	101.96
8VOLUNTEER 360097 TVAZ 8PHIPPS B NP360102 TVAZ	670	380021-382499 8MOSTELLER -8CONASAUGA 1	TVAZ	TVAZ	31	-14.65	0	0	31	14.65
MIRRO 698600 WPS N.EAST 698601 WPS	679	698590-698598 SHOTO -MANRAP 1 255129-255173 17GOODLAND -17REYNOLDS 1; 255129-	WPS	WPS	1	0	0	0	1	0
17GOODLAND 255129 NIPS 17GOODLAND 255319 NIPS	681	255319 17GOODLAND -17GOODLAND 2	NIPS	NIPS	959	-50.54	0	0	959	50.54
BNE JCT5 631079 ALTW FT.DODG5 636020 MEC	688	635600-636010 GRIMES 3 -LEHIGH 3 1	ALTW	MEC	0	0	318	40.29	318	40.29
FRANKLN5 636230 MEC WALL LK5 636235 MEC	688	635600-636010 GRIMES 3 -LEHIGH 3 1	MEC	MEC	0	0	70	2.31	70	2.31
WAPELLO5 631110 ALTW OTTUMWA5 631115 ALTW	695	631110-631115 WAPELLO5 -OTTUMWA5 1 254523-254601 16GUION -16GUION S; 254523-254532	ALTW	ALTW	0	0	2	0.05	2	0.05
16GUION 254523 IPL 16GUION 254601 IPL	697	16GUION -16ROCKVL 0	IPL	IPL	269	-31.7	0	0	269	31.7
TRIBOJI J1 8630023 ALTW WAHPETN8 630474 ALTW	713	631183-656570 CAYLER5 -WISDOM5 1	ALTW	ALTW	203	-52.56	0	0	203	52.56
LAKEFLD L1 5631041 ALTW DKS_N_COS 631124 ALTW	713	631183-656570 CAYLER5 -WISDOM5 1 270670-270671 BRAIDWOOD; B-BRAIDWOOD; RZ; 270670- 270710 BRAIDWOOD; B-DAVIS CRK; B1; 270710-275174 DAVIS CRK; B-DAVIS CRK;3M1	ALTW	ALTW	0	0	7	0.02	7	0.02
BRAIDWOOD; B270670 COMED E FRANKFO; B270728 COMED	721		COMED	COMED	34	-1.52	0	0	34	1.52
LOCKPORT ; B270810 COMED KENDALL ;BU274702 COMED	726	270811-274703 LOCKPORT ; R-KENDALL ;RU1	COMED	COMED	0	0	5	0.13	5	0.13
4LTW STL NTP348919 AMIL 4PRINCETN TP348921 AMIL	727	271838-348923 KEWANEE ;13-4KEWANEE N Z	AMIL	AMIL	0	0	2289	215.03	2289	215.03
4KEWANEE STP348924 AMIL 4KEWANEE S 348974 AMIL	727	271838-348923 KEWANEE ;13-4KEWANEE N Z 270717-270853 DRESDEN ; R-PONTIAC ; R1; 275210-272261 PONTIAC ;2M-PONTIAC ; R1; 275310-275210 PONTIAC ;2C- PONTIAC ;2M1	AMIL	AMIL	0	0	10	0.73	10	0.73
LORETTO ; B270704 COMED WILTON ; B270926 COMED	728		COMED	COMED	229	-15.92	0	0	229	15.92
MAZON ; R271987 COMED OGLESBY ; T272189 COMED	729	271844-271908 KICKAPOO ; B-LASCO STA; B1	COMED	COMED	0	0	693	189.85	693	189.85
BONDRNT3 635680 MEC MNTZUMA3 635730 MEC	730	631139-636199 HAZLTON3 -BLACKHAWK 3 1	MEC	MEC	76	-1.98	0	0	76	1.98
WABACO 5 681532 DPC ROCHSTR5 681537 DPC	731	601039-601044 NROC 3 -BRIGGS RD 3 1	DPC	DPC	0	0	2600	706.35	2600	706.35
BVR CRK5 681527 DPC HARMONY5 681528 DPC	731	601039-601044 NROC 3 -BRIGGS RD 3 1	DPC	DPC	1	-0.11	0	0	1	0.11
HAZLTON3 631139 ALTW MITCHLCO3 631144 ALTW	732	631199-636199 KILLDEER3 -BLACKHAWK 3 1	ALTW	ALTW	0	0	1	0.01	1	0.01
NIW 5 631036 ALTW COLBY5 631202 ALTW	732	631199-636199 KILLDEER3 -BLACKHAWK 3 1	ALTW	ALTW	0	0	23	1.89	23	1.89
5MATANZAS 324173 LKE 5WLSNBR 340553 BREC	734	324144-340553 5GR RVR -5WLSNBR 1	LKE	BREC	0	0	3206	379.5	3206	379.5

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
HAZLTON3 631139 ALTW ARNOLD 3 631142 ALTW	735	631139-631191 HAZLTON3 -HCKRYCK3 1	ALTW	ALTW	30	-0.91	0	0	30	0.91
MT VERN5 631073 ALTW WYOMING5 631099 ALTW	735	631139-631191 HAZLTON3 -HCKRYCK3 1	ALTW	ALTW	14	-4.33	0	0	14	4.33
CHERRY VA; 8270694 COMED CHERRY VA;2M275166 COMED	738	270918-275231 WEMPLETOW; B-WEMPLETOW;4M1	COMED	COMED	26	-40.59	0	0	26	40.59
TOLLWAY ; B 270900 COMED TOLLWAY ;3M275225 COMED	739	272486-272740 S ELGIN ;BT-WAYNE ; B1	COMED	COMED	297	-10.61	0	0	297	10.61
TOLLWAY ; B 270900 COMED TOLLWAY ;3M275225 COMED	740	272487-272741 S ELGIN ;RT-WAYNE ; R1	COMED	COMED	107	-1.52	0	0	107	1.52
17AETNA 255115 NIPS 17LK_GEORGE 255149 NIPS	743	255149-255155 17LK_GEORGE -17MILLER 1	NIPS	NIPS	0	0	80	9.53	80	9.53
5RUSSELVLS 337904 EES-ARK DARDANE5 505508 SPP-C	745	337909-515305 8ANO% -FTSMITH8 1	EES-ARK	SPP-C	1	-0.01	11	0.41	12	0.42
3OLA AR 337900 EES-ARK 3DANVLE AR 337901 EES-ARK	745	337909-515305 8ANO% -FTSMITH8 1	EES-ARK	EES-ARK	0	0	1	0.01	1	0.01
DARDANE5 505508 SPP-C CLARKSV5 505514 SPP-C	745	337909-515305 8ANO% -FTSMITH8 1	SPP-C	SPP-C	0	0	3	0.14	3	0.14
4CHAMPAGNE! 335455 EES-LA PLAISAN4 500720 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	EES-LA	CLEC	0	0	151	11.13	151	11.13
COUGH 4 500230 CLEC MANUEL 4 500540 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	CLEC	CLEC	24	-0.84	0	0	24	0.84
COUGH 4 500230 CLEC PLAISAN4 500720 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	CLEC	CLEC	85	-10.95	0	0	85	10.95
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	747	500190-500880 COCODR 6 -VILPLT 6 1	EES-LA	EES-LA	12	-0.01	0	0	12	0.01
4RICHARD% 335366 LAGN EUNICE 4 500300 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	LAGN	CLEC	0	0	53	1.42	53	1.42
6BOGALUS! 336136 EES-LA BARKERS 6 500025 CLEC	749	335836-336562 8MCKNIGHT% -8FRANKLIN% 1	EES-LA	CLEC	1	-0.06	0	0	1	0.06
8BOGALUS 336130 EES-LA 6ADMSCRK% 336131 EES-LA	749	335836-336562 8MCKNIGHT% -8FRANKLIN% 1	EES-LA	EES-LA	431	-28.43	0	0	431	28.43
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	749	335836-336562 8MCKNIGHT% -8FRANKLIN% 1	EES-LA	EES-LA	0	0	135	1.53	135	1.53
BVISTA 4 500060 CLEC ELPTAP 4 500290 CLEC	750	335368-335500 8WELLS% -8WEBRE% 1	CLEC	CLEC	1	0	0	0	1	0
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	750	335368-335500 8WELLS% -8WEBRE% 1	EES-LA	EES-LA	0	0	177	1.76	177	1.76
5HORN LAKE% 337181 EES-MS 5ALLEN FP 360174 TVAZ	752	360023- 98868 8FREEPORT TN-YBUS1130 1	EES-MS	TVAZ	1153	-742.39	0	0	1153	742.39
3CABOT 338006 EES-ARK 3HOLND BTM! 338016 EES-ARK	759	338140-338145 8HOLND BTM% -8ISES% 1	EES-ARK	EES-ARK	0	0	5	1.93	5	1.93
8KEO% 337957 EES-ARK 8W.MEMPHIS% 338162 EES-ARK	767	338187-338188 8DELL% -8SANS SOUCI%1	EES-ARK	EES-ARK	14	-0.71	0	0	14	0.71
3HS EHV-E! 337740 EES-ARK 8HS EHV% 337753 EES-ARK	778	337753-337685 8HS EHV% -3HS EHV-W! 1	EES-ARK	EES-ARK	0	0	1	0.89	1	0.89
3MENDENHALL 336762 EES-MS 3STAR 336763 EES-MS	781	336130-336562 8BOGALUS -8FRANKLIN% 1	EES-MS	EES-MS	0	0	107	8.51	107	8.51
5STEELE! 338194 EES-ARK 5BLYTHVL.N#%338804 EES-ARK	790	301406-338187 8WNEWMADRID -8DELL% 1	EES-ARK	EES-ARK	4	-0.15	0	0	4	0.15
3ELLIOTT+ 337062 EES-MS 3S.GRENADA! 337063 EES-MS	791	337000-337011 6MCADAMS% -6ATTALA 1	EES-MS	EES-MS	0	0	7	2.56	7	2.56
3STANDARD! 337340 EES-LA 3WINNFIELD! 337343 EES-LA	793	337420-337561 8STERLING% -8EL DORADO% 1	EES-LA	EES-LA	0	0	1399	39.21	1399	39.21
3REED% 337600 EES-ARK 3DUMAS% 337602 EES-ARK	793	337420-337561 8STERLING% -8EL DORADO% 1	EES-ARK	EES-ARK	0	0	309	44	309	44
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	793	337420-337561 8STERLING% -8EL DORADO% 1	EES-LA	EES-LA	20	-0.03	0	0	20	0.03
3OLA AR 337900 EES-ARK 3DANVLE AR 337901 EES-ARK	795	337643-337763 8SHERIDAN% -8MAGNETCOVE%1	EES-ARK	EES-ARK	0	0	1	0.21	1	0.21
6CANTON 336866 EES-MS 6PICKENS! 337015 EES-MS	800	336945-337009 8LAKEOVER% -8MCADAMS% 1	EES-MS	EES-MS	0	0	3	0.37	3	0.37
3BEAVER_CRK!337310 EES-LA BC PST 4 500070 CLEC	817	337343-337341 3WINNFIELD! -6WINNFIELD! 1	EES-LA	CLEC	0	0	137	0.22	137	0.22

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
8DELL% 338187 EES-ARK 8SANS SOUCI%338188 EES-ARK	828	338162-360075 8W.MEMPHIS% -8BHAM STEEL 1	EES-ARK	EES-ARK	57	-1.04	0	0	57	1.04
8SANS SOUCI%338188 EES-ARK 8DRIVER% 338198 EES-ARK	828	338162-360075 8W.MEMPHIS% -8BHAM STEEL 1	EES-ARK	EES-ARK	859	-29.61	0	0	859	29.61
6ESSO% 335642 EES-LA 6DELMONT 335664 EES-LA	831	335645-335655 6EXXON% -6DOWNTOWN! 1	EES-LA	EES-LA	5	-3.06	0	0	5	3.06
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	841	334325-335188 8HARTBRG% -8RHODES% 1	EES-LA	EES-LA	0	0	1	0.02	1	0.02
6CHISHOLM% 334429 EES-TX 6SABINE% 334434 EES-TX	841	334325-335188 8HARTBRG% -8RHODES% 1	EES-TX	EES-TX	60	-1.98	0	0	60	1.98
3NATCHEZSES%336500 EES-MS 3RED_GUM! 337327 EES-LA	854	337319-337320 3S_FERDAY_TP-3PLANTATION!1	EES-MS	EES-LA	3	-1.06	0	0	3	1.06
6CROSSROADS!337100 EES-MS 3CLARKMUN 500164 CLEC	867	337100-337107 6CROSSROADS!-6MOONLAKE% 1	EES-MS	CLEC	35	-3.84	0	0	35	3.84
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	871	337304-500200 6MONTGOMERY!-COLFAX 6 1	EES-LA	EES-LA	0	0	91	1.02	91	1.02
8MABELVALE% 337808 EES-ARK 8WRIGHTSVLE%337860 EES-ARK	880	337651-337957 8WHT BLUFF% -8KEO% 1	EES-ARK	EES-ARK	25	-0.84	0	0	25	0.84
3NATCHEZSES%336500 EES-MS 3RED_GUM! 337327 EES-LA	897	337320-337321 3PLANTATION!-3VIDALIA_LA 1	EES-MS	EES-LA	0	0	1519	143.93	1519	143.93
3S_FERDAY_TP337319 EES-LA 3PLANTATION!337320 EES-LA	897	337320-337321 3PLANTATION!-3VIDALIA_LA 1	EES-LA	EES-LA	0	0	582	70.52	582	70.52
5MIDWY JRDN#338813 EES-ARK BULL SH5 505460 SPP-C	900	338138-338142 5MOOREFIELD -5ISES% 1	EES-ARK	SPP-C	0	0	1	0.19	1	0.19
8FRANKLIN% 336562 EES-MS 8R.BRASWELL%336839 EES-MS	913	336562-336820 8FRANKLIN% -8GGNS% 1	EES-MS	EES-MS	0	0	15	0.57	15	0.57
6ESSO% 335642 EES-LA 6DELMONT 335664 EES-LA	914	335500-336010 8WEBRE% -8BYULABUTTE%1	EES-LA	EES-LA	5	-3.32	0	0	5	3.32
3MENDENHALL 336762 EES-MS 3STAR 336763 EES-MS	916	360654-360688 8CHOCTAW MS -8CLAY 1	EES-MS	EES-MS	0	0	1130	130.12	1130	130.12
3GREENWOOD+ 337023 EES-MS 3GREENWOOD! 337054 EES-MS	916	360654-360688 8CHOCTAW MS -8CLAY 1	EES-MS	EES-MS	31	-35.36	0	0	31	35.36
5BATESVILLE 360214 TVAZ 5TALLHACH IP361402 TVAZ	916	360654-360688 8CHOCTAW MS -8CLAY 1	TVAZ	TVAZ	154	-68.21	0	0	154	68.21
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	934	335089-335200 4HOLLYWOOD! -4NELSON% 1	EES-LA	EES-LA	0	0	1	0.01	1	0.01
4SPLENDRI 334118 EES-TX 4JACINTO% 334208 EES-TX	946	334203-334204 6CHPTSR1 -6CHINA% 1	EES-TX	EES-TX	0	0	3	1.26	3	1.26
5BATESVL 318301 SMEPA 5BATESVILLE 360214 TVAZ	978	318301-360214 5BATESVL -5BATESVILLE 2	SMEPA	TVAZ	283	-22.8	0	0	283	22.8
YBUS1130 98868 TVAZ 8FREEPORT TN360023 TVA	981	360023-360025 8FREEPORT TN-8CORDOVA TN 1	TVAZ	TVA	0	0	221	18.21	221	18.21
4MARIES 345024 AMMO 5OLDMARS 300053 AECIZ	987	300057-344532 5BARNET -5ELDON 1	AMMO	AECIZ	0	0	5	1.25	5	1.25
3LYNCH-W! 337949 EES-ARK 3NLR GALLOWY338489 EES-ARK	1004	337957-338162 8KEO% -8W.MEMPHIS% 1	EES-ARK	EES-ARK	5	-13.94	0	0	5	13.94
5SEQUOYAH NP360082 TVAZ 5CONCORD TN 360413 TVAZ	1007	360081-360662 8SEQUOYAH NP-8BRADLEY TN 1	TVAZ	TVAZ	1738	-567.08	0	0	1738	567.08
3WADE SS3 388816 SE 3HARLESTN 388832 SE	1010	384642-388702 6BIG CK 6 -6DANIEL6 1	SE	SE	73	-65.9	0	0	73	65.9
5WEST POINT 360036 TVAZ 5MONTPLER TP361738 TVAZ	1013	360035-360688 8WEST POINT -8CLAY Z	TVAZ	TVAZ	0	0	2	0.25	2	0.25
5CLAY 360689 TVAZ 5ABERD MS TP361121 TVAZ	1013	360035-360688 8WEST POINT -8CLAY Z	TVAZ	TVAZ	774	-283.78	0	0	774	283.78
MARYVLE5 541251 MPS CLRND 5 635034 MEC	1025	300097-652560 5MARYVL -CRESTON5 1	MPS	MEC	5	-1.4	1	0.07	6	1.47
YBUS1417 98581 SPP-C AFTON 5 512632 GRDA	1037	512631-512632 MIAMI 5 -AFTON 5 1	SPP-C	GRDA	0	0	27	13.22	27	13.22
7OVERTON 345408 AMMO 5OVERTON 345409 AMMO	1056	345088-345408 7MCCREDIE -7OVERTON 1	AMMO	AMMO	541	-52.66	0	0	541	52.66
5THMHIL 300120 AECIZ 5ADAIR1 344004 AMMO	1058	345435-345992 7MAYWOOD -7SPENCER 1	AECIZ	AMMO	1	-0.02	32	2.07	33	2.09

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
5CYRENE 300595 AECIZ 5PIKE S 345498 AMMO	1058	345435-345992 7MAYWOOD -7SPENCER 1	AECIZ	AMMO	0	0	84	5.99	84	5.99
6N SELMA6 384489 SE 6HARRIS SS 385500 SE	1070	384375-384374 8S.BESS 8 -6S.BESS 6 1	SE	SE	0	0	24	1.63	24	1.63
8WID CRK FP 360065 TVAZ 8SEQUOYAH NP360081 TVAZ	1072	360050-360052 8MAURY TN -8BR FERRY NP1	TVAZ	TVAZ	1	-0.09	0	0	1	0.09
YBUS672 99326 DUK-IN 08CAYUGA 249608 DEI	1074	249505-249608 08CAYUGA -08CAYUGA 1	DUK-IN	DEI	22	-30.84	0	0	22	30.84
YBUS737 99261 IPL 16PETE 254529 IPL	1075	254529- 99260 16PETE -YBUS738 W	IPL	IPL	0	0	4	0.93	4	0.93
LAMBTON_L4D 160050 IESO 19STCPP 264656 DECO	1077	160065-264830 LAMBTON_L51D-19STCPP 1	IESO	DECO	960	0	187	0	1147	0
MOSES E 147839 NY ST_LAWR_L33P155072 IESO	1078	147839-155073 MOSES E -ST_LAWR_L34P1	NY	IESO	0	0	7191	20.56	7191	20.56
MOSES E 147839 NY ST_LAWR_L34P155073 IESO	1079	147839-155072 MOSES E -ST_LAWR_L33P1	NY	IESO	0	0	7321	27.28	7321	27.28
YBUS2578 97420 BEPC LELANDO3 659105 WAPA	1081	659105- 97421 LELANDO3 -YBUS2577 1	BEPC	WAPA	0	0	1516	96.46	1516	96.46
YBUS1353 98645 SPP-C CATSAGR5 512638 AEPW	1082	512638- 98646 CATSAGR5 -YBUS1352 1	SPP-C	AEPW	0	0	394	57.27	394	57.27
YBUS1409 98589 SPP-C SHAM 3WT 512107 AEPW	1092	511541-511557 SWEETWT6 -CHISHOLM6 1	SPP-C	AEPW	0	0	491	166.66	491	166.66
16SUNNYS 254535 IPL 16SUNNYS 254667 IPL	1095	249529-254523 08WHITST -16GUION 1	IPL	IPL	2	-0.09	0	0	2	0.09
05FALL C 243222 AEP 16SUNNYS 254535 IPL	1095	249529-254523 08WHITST -16GUION 1	AEP	IPL	10	-0.82	0	0	10	0.82
08NOBLSV 249626 DUK-IN 08DURBIN 249637 DUK-IN	1095	249529-254523 08WHITST -16GUION 1	DUK-IN	DUK-IN	1	-0.18	0	0	1	0.18
02LALLENDORF241901 DECO 19MON12 264612 FE-ATSI	1099	238530-256583 02ALLEN -18MOROCCO 1; 264594-264613	DECO	FE-ATSI	0	0	387	44.69	387	44.69
19BAXTR 264519 DECO 19DIG 264562 DECO	1101	19LULU -19MON34 1	DECO	DECO	0	0	2091	68.3	2091	68.3
3GW KING TAP304102 NC-SC 3KERR 314702 DOM	1103	264610-264616 19DIGTP -19NAVAR 1	NC-SC	DOM	0	0	14	2.33	14	2.33
GRE-STANTON4615901 GRE SQBUTTE4 657756 MPC	1117	304070-314697 6PERSON230 T-6HALIFAX 1	GRE	MPC	0	0	609	3.96	609	3.96
GRE-STANTON4615901 GRE SQBUTTE4 657756 MPC	1118	615600-615001 GRE-COAL CR4-GRE-COAL 41G1	GRE	MPC	0	0	162	0.86	162	0.86
CENTER 4 657751 MPC SQBUTTE4 657756 MPC	1119	615600-615002 GRE-COAL CR4-GRE-COAL 42G1	MPC	MPC	0	0	8	0.03	8	0.03
HANKSON4 620327 OTP WAHPETN4 620329 OTP	1119	620358-620369 BUFFALO3 -JAMESTN3 1	OTP	OTP	627	-113.22	0	0	627	113.22
BISMARCK4 652426 WAUE MOUNDCITY 4 652499 WAUE	1122	620358-620369 BUFFALO3 -JAMESTN3 1	WAUE	WAUE	0	0	15	0.41	15	0.41
5SANDBURG 348948 AMIL 4SANDBURG 348972 AMIL	1124	652806-659424 FTTHOM1-LNX3-LELAND2-LNX31	AMIL	AMIL	24	-2.88	0	0	24	2.88
GRE-JOHNJCT7616002 GRE ORTONVL7 620216 OTP	1125	348944-636635 7SANDBURG -OAKGROV3 1	GRE	OTP	0	0	5	6.41	5	6.41
HANKSON4 620327 OTP WAHPETN4 620329 OTP	1125	601031-620417 BRKNGCO3 -BSSOUTH3 1	OTP	OTP	1	-0.05	0	0	1	0.05
BIGSTON4 620314 OTP BLAIR 4 652503 WAUE	1125	601031-620417 BRKNGCO3 -BSSOUTH3 1	OTP	WAUE	19	-0.32	0	0	19	0.32
TUCO_INT 6525830 SPP-C JONES 6526337 SPP-C	1129	601031-620417 BRKNGCO3 -BSSOUTH3 1	SPP-C	SPP-C	5	-0.12	0	0	5	0.12
NEOSHO 5 532937 WR RIV4525 547469 EDE	1130	525830-526161 TUCO_INT 6-CARLISLE 61	WR	EDE	21	-0.85	0	0	21	0.85
TWIN CH4 640386 NPPD SIOUXCY4 652565 WAUE	1133	532932-547476 LITCH 5 -ASB349 5 1	NPPD	WAUE	0	0	904	401.89	904	401.89
CMRIVTP3 539652 SECI E-LIBER3 539672 SECI	1135	635200-640226 RAUN 3 -HOSKINS3 1	SECI	SECI	2806	-3.24	9	0.02	2815	3.26
YBUS1731 98267 SPP-C EDDY_NORTH 6527799 SPS	1137	539640-539777 HAYNE3 -NLIBTAP-B3 1	SPP-C	SPS	0	0	110	9.74	110	9.74
CENTENL5 543067 KCPL PAOLA 5 543069 KCPL	1141	527799-527800 EDDY_NORTH 6-EDDY_SOUTH 61	KCPL	KCPL	5	-0.16	0	0	5	0.16
SPRGFLD5 505492 SPP-C CLAY 5549970 SPRM	1142	543055-543066 SEOTTWA5 -S.OTTWA5 1	SPP-C	SPRM	247	-82.46	0	0	247	82.46
17GOODLAND 255129 NIPS 17REYNOLDS 255173 NIPS	1145	300042-300045 7HUBEN -7MORGAN 1	NIPS	NIPS	1273	-79.14	0	0	1273	79.14
17GOODLAND 255129 NIPS 17REYNOLDS 255173 NIPS	1147	255319-255352 17GOODLAND -17REMINGTON 9	NIPS	NIPS	1371	-82.37	0	0	1371	82.37
05DUMONT 243219 AEP 17STILLWELL 255113 NIPS	1159	348232-348458 4SHELDONS -4WATSEKA 1	AEP	NIPS	0	0	2	0.59	2	0.59
17ROXANA 255172 NIPS STATELINE; B272502 COMED	1159	243206-270644 05DUMONT -WILTON ; 1	NIPS	COMED	0	0	32	0.75	32	0.75
E FRANKFO; B270728 COMED CRETE EC;BP274750 COMED	1159	243206-270644 05DUMONT -WILTON ; 1	COMED	COMED	9	-0.72	0	0	9	0.72
17STJOHN 255112 NIPS CRETE EC;BP274750 COMED	1159	243206-270644 05DUMONT -WILTON ; 1	NIPS	COMED	0	0	8	0.48	8	0.48
7GOOS_CRK 348770 AMIL 7RISING 348882 AMIL	1159	243206-270644 05DUMONT -WILTON ; 1	AMIL	AMIL	40	-3.47	0	0	40	3.47
17STILLWELL 255113 NIPS 17STILLWELL 255180 NIPS	1172	243219-255113 05DUMONT -17STILLWELL 1	NIPS	NIPS	35	-2.97	0	0	35	2.97

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WAPELLO5 631110 ALTW OTTUMWA5 631115 ALTW	1176	631110-631115 WAPELLO5 -OTTUMWA5 2	ALTW	ALTW	0	0	7	0.49	7	0.49
WAPELLO8 630048 ALTW WAPELLO5 631110 ALTW	1177	631110-630048 WAPELLO5 -WAPELLO8 1	ALTW	ALTW	0	0	15	17.95	15	17.95
YBUS1965 98033 KCPL HAWTH 7 542972 KCPL	1184	542972- 98032 HAWTH 7 -YBUS1966 2	KCPL	KCPL	0	0	147	13.94	147	13.94
ADAMS L2 5 631123 ALTW HAYWARD L1 5631127 ALTW	1185	613042-631044 MURPHY CR 5 -HAYWARD L2 51 601028-694003 EAU CL 3 -ARPIN B4 1; 601014-601028 AS	ALTW	ALTW	0	0	29	0.55	29	0.55
WABACO 5 681532 DPC ROCHSTR5 681537 DPC	1187	KING3 -EAU CL 3 1	DPC	DPC	0	0	4	0.25	4	0.25
4PAXTON E 347972 AMIL 4GIFFORD 348118 AMIL	1197	255129-255159 17GOODLAND -17MORRISON 1	AMIL	AMIL	7	-0.13	0	0	7	0.13
5MIDWY JRDN#338813 EES-ARK BULL SH5 505460 SPP-C 3WOODWARD% 337620 EES-ARK 3ALTHEIMER+ 337962 EES-ARK	1199	504440-505460 BUFORD 5 -BULL SH5 1	EES-ARK	SPP-C	0	0	1866	387.26	1866	387.26
SWISVAL7 532774 WR DOUGLAS7 532776 WR	1207	337633-337968 6WOODWARD! -6RICUSKEY% 1	EES-ARK	EES-ARK	262	-86.48	0	0	262	86.48
MINGO 7 531451 SECI REDWILO3 640325 NPPD	1217	532775-542977 87TH 7 -CRAIG 7 1	WR	WR	561	-34.19	0	0	561	34.19
4CARLYSS! 335060 EES-LA 6CARLYSS% 335070 EES-LA	1221	530583-640065 POSTROCK7 -AXTELL 3 1	SECI	NPPD	264	-21.01	0	0	264	21.01
7JOPPA TS 347325 AMIL 5JOPPA TS 351003 AMMO	1222	335200-335190 4NELSON% -6NELSON% 1	EES-LA	EES-LA	0	0	81	23.28	81	23.28
CBLUFFS5 635001 MEC S1206 5 646206 OPPD	1225	360001-360002 8SHAWNEE FP -7SHAWNEE FP 1	AMIL	AMMO	1	-0.02	0	0	1	0.02
	1227	635000-645456 CBLUFFS3 -S3456 3 1	MEC	OPPD	313	-32.87	0	0	313	32.87
08TDHNTR 249574 DUK-OH 08TODM17 250109 DUK-OH	1238	249574-250107 08TDHNTR -08TODM15 1	DUK-OH	DUK-OH	10	-8.85	0	0	10	8.85
5HENDR 340560 BREC 4HENDR 340617 BREC	1242	253620-340562 10ABB345 -7REID 1 345088-345230 7MCCREDIE -7MONTGMRY 1; 300044-	BREC	BREC	0	0	337	22.44	337	22.44
5LOY MARTIN 344040 AMMO 5GUTHRIE 344677 AMMO	1277	345088 7MCCRED -7MCCREDIE Z	AMMO	AMMO	1	0	3	0.15	4	0.15
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	1284	337368-509366 8MT_OLIVE% -LAYFLD8 1	EES-LA	EES-LA	0	0	981	9.33	981	9.33
3DODSON 337344 EES-LA 3DANVILLE_LA!337345 EES-LA	1284	337368-509366 8MT_OLIVE% -LAYFLD8 1 338144-338142 8ISES-XF -5ISES% 1; 338144-338142 8ISES-	EES-LA	EES-LA	0	0	58	12.73	58	12.73
3CABOT 338006 EES-ARK 3HOLND BTM! 338016 EES-ARK	1285	XF -5ISES% 2	EES-ARK	EES-ARK	0	0	13	6.08	13	6.08
5NEWMAD 300103 AECIZ 5TIPTONVL TN361261 TVAZ	1286	338188-338198 8SANS SOUCI%-8DRIVER% 1	AECIZ	TVAZ	87	-6.1	0	0	87	6.1
5MARKEDTREE!338165 EES-ARK 5HARRISBURG+338167 EES-ARK	1286	338188-338198 8SANS SOUCI%-8DRIVER% 1	EES-ARK	EES-ARK	0	0	265	34.31	265	34.31
5RIDGELY TN 360521 TVAZ 5TIPTONVL TN361261 TVAZ	1286	338188-338198 8SANS SOUCI%-8DRIVER% 1	TVAZ	TVAZ	0	0	23	4.85	23	4.85
5TIPTONVL TN361261 TVAZ 5POLK TP 361596 TVAZ	1286	338188-338198 8SANS SOUCI%-8DRIVER% 1	TVAZ	TVAZ	3	-0.21	0	0	3	0.21
GR JCT 5 631074 ALTW DRAGER5 656283 CBPC	1296	635300-635330 MONONA 5 -CRWFRD 5 1	ALTW	CBPC	0	0	503	11.33	503	11.33
GRE-JOHNJCT7616002 GRE ORTONVL7 620216 OTP	1301	620327-620329 HANKSON4 -WAHPETN4 1	GRE	OTP	0	0	4	4.14	4	4.14
SCOTTAP7 603102 NSP SCOTTCO7 603103 NSP	1302	601015-601055 BLUE LK3 -SCOTTCO3 1	NSP	NSP	0	0	12	12.68	12	12.68
LAKEFLD3 631138 ALTW OBRIEN 3 635368 MEC	1306	635200-635400 RAUN 3 -HIGHLND 3 1	ALTW	MEC	0	0	1077	31.75	1077	31.75
OBRIEN 3 635368 MEC HIGHLND 3 635400 MEC	1306	635200-635400 RAUN 3 -HIGHLND 3 1	MEC	MEC	0	0	589	0.38	589	0.38
LITTLEF7 608650 MP GRE-LANGLTP7617000 GRE	1311	608617-615319 MUDLAKE4 -GRE-BENTON 41	MP	GRE	0	0	19	26.01	19	26.01
4DIAMSTR TP1348745 AMIL 4MCLEAN CO 348854 AMIL	1318	270853-348847 PONTIAC ; R-7BROKAW 1	AMIL	AMIL	10	-9.09	0	0	10	9.09
WILMART7 603002 NSP SWAN LK7 603003 NSP	1325	601004-601072 WILMART3 -SHEAS LK3 1	NSP	NSP	108	-66.86	0	0	108	66.86
NROC 3 601039 NSP BYRON 3 613060 SMP	1325	601004-601072 WILMART3 -SHEAS LK3 1	NSP	SMP	0	0	157	10.28	157	10.28
YBUS2652 97346 WPS STONE LK B1 694075 WPS	1327	694107-699676 PERSHING -GARDR PK 1	WPS	WPS	0	0	517	3.56	517	3.56
HOLCOMB7 603150 NSP CORNELL 603224 NSP	1327	694107-699676 PERSHING -GARDR PK 1	NSP	NSP	0	0	361	8.39	361	8.39
SUNNYVAL 699666 WPS SHRMN ST 699704 WPS	1327	694107-699676 PERSHING -GARDR PK 1	WPS	WPS	0	0	36	21.5	36	21.5
HOLCOMB7 603150 NSP PERSHING 7 603281 NSP	1327	694107-699676 PERSHING -GARDR PK 1	NSP	NSP	102	-1.11	0	0	102	1.11
RUTLAND5 613370 SMP FOX LK 5 631042 ALTW	1331	601004-601033 WILMART3 -FIELD_N3 1	SMP	ALTW	0	0	1	0.19	1	0.19

Flow Gate				Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
18TITBAW	256290	CONS	18REDSTONE 256542 CONS	1342	256066-256542 18REGAL -18REDSTONE 1	CONS	CONS	0	0	7	0.46	7	0.46
18ALPENA	256042	CONS	SPRUCE RD 256272 CONS	1344	256003-256012 18GALAGR -18LVNSTN 1	CONS	CONS	0	0	11	0.87	11	0.87
6LAYFLD	500465	CLEC	WKRAFT 6 500910 CLEC	1380	334325-509366 8HARTBRG% -LAYFLD8 1	CLEC	CLEC	40	-3.81	0	0	40	3.81
3JENA	337312	EES-LA	3STANDARD! 337340 EES-LA	1380	334325-509366 8HARTBRG% -LAYFLD8 1	EES-LA	EES-LA	0	0	282	2.52	282	2.52
COOPER 4	500220	CLEC	LEESV 4 500480 CLEC	1380	334325-509366 8HARTBRG% -LAYFLD8 1	CLEC	CLEC	0	0	104	11.11	104	11.11
TENRUSK7	508585	SPP-C	CROCKET7 509241 SPP-C	1380	334325-509366 8HARTBRG% -LAYFLD8 1	SPP-C	SPP-C	649	-30.52	0	0	649	30.52
4FORK CK	334281	EES-TX	4RAYBURN% 334282 EES-TX	1384	334028-509241 7GRIMES% -CROCKET7 1	EES-TX	EES-TX	0	0	361	97.84	361	97.84
DOLHILL7	500250	CLEC	DOLHILL6 500260 CLEC	1384	334028-509241 7GRIMES% -CROCKET7 1	CLEC	CLEC	2378	-63.62	0	0	2378	63.62
WAUKEGAN ; R270915	COMED	ZION STA ;0B270942	COMED	1385	270914-270940 WAUKEGAN ; B-ZION STA ; B1	COMED	COMED	0	0	7	1.98	7	1.98
NED 161	699010	ALTE	NED 138 699020 ALTE	1386	631191-693863 HCKRYCK3 -EDEN 345 1	ALTE	ALTE	145	-15.02	0	0	145	15.02
TRK RIV5	631060	ALTW	STONEMAN 681519 DPC	1386	631191-693863 HCKRYCK3 -EDEN 345 1	ALTW	DPC	445	-95.43	0	0	445	95.43
EEN 138	699034	ALTE	WYV 138 699115 ALTE	1387	693863-699829 EDEN 345 -CARDINAL 1	ALTE	ALTE	180	-6.71	0	0	180	6.71
07NWTVL1	248435	HE	10NTVL16 253580 SIGE	1388	247851-340563 05ROCKPT -7COLEMAN 1	HE	SIGE	0	0	92	15.66	92	15.66
WILMART7	603002	NSP	SWAN LK7 603003 NSP	1401	601050-601072 HELENA 3 -SHEAS LK3 1	NSP	NSP	221	-81.52	0	0	221	81.52
NROC 3	601039	NSP	BYRON 3 613060 SMP	1401	601050-601072 HELENA 3 -SHEAS LK3 1	NSP	SMP	0	0	1651	90.22	1651	90.22
BLK DOG7	603061	NSP	WILSON 7 603116 NSP	1402	603061-603204 BLK DOG7 -WILSON TAP7 3	NSP	NSP	226	-47.5	0	0	226	47.5
GRE-MCHENRY7615348	GRE	OTP VOLTAIRE620283	OTP	1403	602052-615347 MAGIC CITY 4-GRE-MCHENRY41	GRE	OTP	3044	-358.2	0	0	3044	358.2
ST LAKES	602017	NSP	MINONG 5 608631 MP	1405	601001-601017 FORBES 2 -CHIS-N 2 1	NSP	MP	354	-0.15	0	0	354	0.15
16L TAP7	608718	MP	COTTNP7 608720 MP	1405	601001-601017 FORBES 2 -CHIS-N 2 1	MP	MP	102	-4.51	0	0	102	4.51
ARROWHD7	608673	MP	GRE-BERGNT7618001 GRE	1405	601001-601017 FORBES 2 -CHIS-N 2 1	MP	GRE	23	-0.18	0	0	23	0.18
ARROWHD7	608673	MP	GARY 7 608679 MP	1407	608676-608680 HIBBARD7 -WNTR ST7 1	MP	MP	317	-1.12	0	0	317	1.12
GR RPD57	608740	MP	GRE-POKEGNT7618009 GRE	1408	608612-608625 RIVERTN4 -BLCKBRY4 1	MP	GRE	21	-0.34	0	0	21	0.34
WEBSTER5	636001	MEC	WRIGHT 5 636050 MEC	1415	631197-635369 LEDYARD3 -KOSSUTH 3 1	MEC	MEC	181	-24.76	0	0	181	24.76
FRANKLN5	636230	MEC	WALL LK5 636235 MEC	1415	631197-635369 LEDYARD3 -KOSSUTH 3 1	MEC	MEC	0	0	654	41.21	654	41.21
LAKEFLD3	631138	ALTW	OBRIEN 3 635368 MEC	1415	631197-635369 LEDYARD3 -KOSSUTH 3 1	ALTW	MEC	0	0	518	32.16	518	32.16
LAWRENC7	603012	NSP	SIOUXFL7 652524 BEPC	1419	602004-652523 SPLT RK4 -SIOUXFL4 1	NSP	BEPC	3551	-631.69	0	0	3551	631.69
05NEWCAR	243349	AEP	05BOSSERMAN 247489 AEP	1424	243353-247489 05OLIVE -05BOSSERMAN 1	AEP	AEP	104	-38.09	0	0	104	38.09
05OLIVE	243353	AEP	05BOSSERMAN 247489 AEP	1425	243349-243353 05NEWCAR -05OLIVE 1	AEP	AEP	266	-208.36	0	0	266	208.36
17MICH_CITY	255153	NIPS	17TRAIL_CRK 255184 NIPS	1426	247489-255153 05BOSSERMAN -17MICH_CITY 1	NIPS	NIPS	0	0	7	5.52	7	5.52
07HUBBL8	248831	HE	08BATESV 249691 DUK-IN	1432	243233-249567 05TANNER -08M.FORT 1	HE	DUK-IN	0	0	28	30.51	28	30.51
05TANNER	243233	AEP	06DEARB1 248001 AEP	1432	243233-249567 05TANNER -08M.FORT 1	AEP	AEP	1432	-137.55	0	0	1432	137.55
06DEARB1	248001	AEP	06PIERCE 248013 AEP	1432	243233-249567 05TANNER -08M.FORT 1	AEP	AEP	34	-16.59	0	0	34	16.59
08LAFSOU	249778	DUK-IN	08SHDLND 249884 DUK-IN	1434	249816-249873 08NW TP1 -08WESTW2 1	DUK-IN	DUK-IN	0	0	4	6.74	4	6.74
08NW TP2	249817	DUK-IN	08PURDUE 249831 DUK-IN	1434	249816-249873 08NW TP1 -08WESTW2 1	DUK-IN	DUK-IN	36	-53.31	0	0	36	53.31
17GARY_AVE	255251	NIPS	17GARY_AVE 255252 NIPS	1439	255111-255251 17SHEFFIELD -17GARY_AVE 1	NIPS	NIPS	37	-15.91	0	0	37	15.91
19STC12	264960	DECO	19LENOX2 264971 DECO	1453	264798-264961 19CRBNTP -19STC10 1	DECO	DECO	19	-2.19	0	0	19	2.19
ALPINE ;R270981	COMED	BELVIDERE; R271083	COMED	1457	270694-270883 CHERRY VA; B-SILVER LK; R1	COMED	COMED	81	-248.5	0	0	81	248.5
BELVIDERE; B271082	COMED	MARENGO ;B271974	COMED	1457	270694-270883 CHERRY VA; B-SILVER LK; R1	COMED	COMED	2	-0.31	0	0	2	0.31
6ANGIE	303222	LAGN	6ADMSCKRK% 336131 EES-LA	1461	303223-336137 6FR_BRANCH -6SLIDEL! 1	LAGN	EES-LA	0	0	668	30.6	668	30.6
3BATESVILLE	361116	TVAZ	YBUS1158 98840 TVA	1462	318308-337123 6BATESVL -6BATESVILLE!1	TVAZ	TVA	0	0	266	7.02	266	7.02
CAROLTN5	543060	KCPL	BRUNSWK5 543061 KCPL	1475	345408-541201 7OVERTON -SIBLEY 7 1	KCPL	KCPL	52	-4.36	0	0	52	4.36
7NEOGA	347821	AMIL	4NEOGA 543822 AMIL	1481	346809-347821 7CASEY -7NEOGA 1	AMIL	AMIL	10	-0.28	0	0	10	0.28
BISMARK7	652427	WAUE	ESTBMRK7 661029 BEPC	1495	657751-661053 CENTER 4 -MANDAN 4 1	WAUE	BEPC	50	-45.2	0	0	50	45.2

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
WABACO 5 681532 DPC ROCHSTR5 681537 DPC	1506	601043- 97949 BRIGGS RD 5 -YBUS2049 9	DPC	DPC	0	0	17	11.59	17	11.59
RUGBOTP7 620279 OTP RUGBY 7 652452 WAUE	1507	615903-620379 GRE-BALTA 4-RUGBY 4 1	OTP	WAUE	1316	-7.72	1637	8.98	2953	16.7
GRE-MCHENRY7615348 GRE VOLTAIR -CP7655643 BEPC	1507	615903-620379 GRE-BALTA 4-RUGBY 4 1	GRE	BEPC	974	-74.43	0	0	974	74.43
DEVILSE7 620265 MPC DEVIL J7 620267 OTP	1507	615903-620379 GRE-BALTA 4-RUGBY 4 1	MPC	OTP	1779	-85.75	0	0	1779	85.75
WAPELLO8 630048 ALTW ELDON 8 630408 ALTW	1514	631110-631111 WAPELLO5 -JEFF 5 1	ALTW	ALTW	548	-490.31	0	0	548	490.31
ADAMS 8 630139 ALTW ADAMS L2 5 631123 ALTW	1516	631123-681527 ADAMS L2 5 -BVR CRK5 1	ALTW	ALTW	0	0	81	30.88	81	30.88
LORE 5 631056 ALTW HCKRYCK5 631159 ALTW	1517	631140-631191 SALEM 3 -HCKRYCK3 1	ALTW	ALTW	0	0	45	11.15	45	11.15
GRE-MCHENRY4615347 GRE YBUS2127 97871 GRE	1523	659106-659108 LELANDO4 -LOGAN 4 1	GRE	GRE	1407	-194.01	0	0	1407	194.01
OSPNEY 7 603144 NSP PERSHING 7 603281 NSP	1527	694076-694107 STONE LK B2 -PERSHING 1	NSP	NSP	0	0	345	13.83	345	13.83
08FVPTS2 249677 DUK-IN 16FVE_T 254591 IPL	1528	249506-249612 08COLMBU -08COLMBU 1	DUK-IN	IPL	0	0	17	9.83	17	9.83
19WTRMN 264690 DECO 19WTRMN4 264984 DECO	1530	264610-264690 19DIGTP -19WTRMN 1	DECO	DECO	1084	-0.75	2	0	1086	0.75
19CANIFP 264730 DECO 19CANIF 264538 DECO	1530	264610-264690 19DIGTP -19WTRMN 1	DECO	DECO	149	-0.03	0	0	149	0.03
19PONTC 264635 DECO 19WIXOM 264697 DECO	1531	264635-264636 19PONTC -19PLACD 1	DECO	DECO	234	-13.48	0	0	234	13.48
19PONTC 264635 DECO 19PLACD 264636 DECO	1532	264635-264697 19PONTC -19WIXOM 1	DECO	DECO	104	-51.78	0	0	104	51.78
6ADDIS% 335536 EES-LA 6TIGER! 335665 EES-LA	1533	336000-336001 6IBERVIL% -6EVGREN! 1	EES-LA	EES-LA	67	-23.15	0	0	67	23.15
5NOVELY_SW 300106 AECIZ 5ADAIR3 344006 AMMO	1534	344000-345435 7ZACKARY -7MAYWOOD 1	AECIZ	AMMO	0	0	79	7.75	79	7.75
MNTZUMA3 635730 MEC HILLS 3 636400 MEC	1534	344000-345435 7ZACKARY -7MAYWOOD 1	MEC	MEC	880	-61.84	0	0	880	61.84
LKFLDXL3 601029 NSP LAKEFLD3 631138 ALTW	1535	601004-631193 WILMART3 -HUNTLEY3 1	NSP	ALTW	0	0	2008	126.03	2008	126.03
LAWRENC7 603012 NSP SIOUXFL7 652524 BEPC	1536	601006-652537 SPLT RK3 -WHITE 3 1	NSP	BEPC	47	-6.92	0	0	47	6.92
BYRON 5 613070 SMP CASCADE 625430 SMP	1537	601039-613060 NROC 3 -BYRON 3 1	SMP	SMP	57	-7.88	0	0	57	7.88
WABACO 5 681532 DPC ROCHSTR5 681537 DPC	1537	601039-613060 NROC 3 -BYRON 3 1	DPC	DPC	0	0	477	171.9	477	171.9
S3 7 652508 WAUE GRANITF7 652551 WAUE	1538	601048-601054 LYON CO 3 -HAZEL CK3 1	WAUE	WAUE	33	-6.77	0	0	33	6.77
SHEYNNE7 603018 NSP MAPLTN 7 620203 OTP	1539	601067-620358 BISON 3 -BUFFALO3 1	NSP	OTP	0	0	113	10.57	113	10.57
MINVALT4 602008 NSP GRANITF4 652550 WAUE	1540	602008-602009 MINVALT4 -MNVLTAP4 1	NSP	WAUE	242	-26.95	0	0	242	26.95
GRE-BUNKER 4615328 GRE GRE-BLAINE 4615377 GRE	1542	602015-615460 REDROCK4 -GRE-RUSH CY41	GRE	GRE	11	-0.85	0	0	11	0.85
RVT1BUS7 608657 MP GRE-MERRFLD7616701 GRE	1543	608610-608612 BADOURA4 -RIVERTN4 1	MP	GRE	22	-2.87	0	0	22	2.87
ARROWHD7 608673 MP GRE-BERGNT7618001 GRE	1544	608614-608622 98L TAP4 -IRONRNG4 1	MP	GRE	2	-0.01	0	0	2	0.01
16L TAP7 608718 MP COTTNTP7 608720 MP	1544	608614-608622 98L TAP4 -IRONRNG4 1	MP	MP	372	-12.89	0	0	372	12.89
RUGBOTP7 620279 OTP RUGBY 7 652452 WAUE	1545	615335-615903 GRE-RAMSEY 4-GRE-BALTA 41	OTP	WAUE	452	-17.38	0	0	452	17.38
HENSEL 7 620257 OTP LANGDON7 657709 MPC	1546	615335-615907 GRE-RAMSEY 4-GRE-RMSYCB14Z	OTP	MPC	0	0	401	24.73	401	24.73
DEVILSE7 620265 MPC RAMSEY 7 620266 OTP	1546	615335-615907 GRE-RAMSEY 4-GRE-RMSYCB14Z	MPC	OTP	0	0	166	13.82	166	13.82
LANGDON7 657709 MPC SWEETWA7 657720 MPC	1546	615335-615907 GRE-RAMSEY 4-GRE-RMSYCB14Z	MPC	MPC	0	0	22	0.86	22	0.86
HOOT LK7 620223 OTP FERGSFL7 658110 MRES	1547	615637-658109 GRE-SILVRLK4-FERGSFL4 1	OTP	MRES	0	0	5	1.82	5	1.82
DEVILSE7 620265 MPC DEVIL J7 620267 OTP	1548	615908-657755 GRE-RMSYCB24-PRAIRIE4 1	MPC	OTP	2685	-478.26	0	0	2685	478.26
DEVIL J7 620267 OTP DEVILSL7 652431 WAUE	1548	615908-657755 GRE-RMSYCB24-PRAIRIE4 1	OTP	WAUE	6	-0.12	0	0	6	0.12
NIW 5 631036 ALTW COLBYS 631202 ALTW	1549	631193-631197 HUNTLEY3 -LEDYARD3 1	ALTW	ALTW	0	0	107	14.92	107	14.92
LAKEFLD3 631138 ALTW OBRIEN 3 635368 MEC	1549	631193-631197 HUNTLEY3 -LEDYARD3 1	ALTW	MEC	0	0	805	21.86	805	21.86
ATCHSN 3 635017 MEC COOPER 3 640139 NPPD	1550	635017-635630 ATCHSN 3 -BOONVIL3 1	MEC	NPPD	1737	-56.35	0	0	1737	56.35
ST LAKES 602017 NSP MINONG 5 608631 MP	1551	694078-699449 STONE LK B4 -ARROWHD 1	NSP	MP	766	-1.41	0	0	766	1.41
HIBBARD7 608676 MP WNTR ST7 608680 MP	1551	694078-699449 STONE LK B4 -ARROWHD 1	MP	MP	4746	-54.82	0	0	4746	54.82
18WHITINGW 256320 CONS SAMARIA 2 259422 CONS	1552	256320-256662 18WHITINGW -18WHITINGB Z	CONS	CONS	1391	-128.41	0	0	1391	128.41
18WHITINGW 256320 CONS 18WHITINGB 256662 CONS	1553	256320-259422 18WHITINGW -SAMARIA 2 1	CONS	CONS	269	-3.63	0	0	269	3.63
19CANIF 264538 DECO 19CORTL 264544 DECO	1554	264530-264561 19BRSTL1 -19FRISB 1	DECO	DECO	429	-9.62	0	0	429	9.62
19BUNCE1 264536 DECO 19FITZ 265228 DECO	1555	264536-264947 19BUNCE1 -19BUNCE2 Z	DECO	DECO	1478	-5.24	1988	0.04	3466	5.28
19MOHIC1 264776 DECO 19STC2 264963 DECO	1555	264536-264947 19BUNCE1 -19BUNCE2 Z	DECO	DECO	28	-0.03	210	0.01	238	0.04
19BRSTL1 264530 DECO 19FRISB 264561 DECO	1556	264538-264544 19CANIF -19CORTL 1	DECO	DECO	625	-4.01	0	0	625	4.01

Flow Gate				Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
19CANIF	264538 DECO	19BRSTL4	264983 DECO	1556	264538-264544 19CANIF -19CORTL 1	DECO	DECO	21	-0.18	0	0	21	0.18
19RR1	264647 DECO	19MARON	264767 DECO	1557	264615-264747 19NAVAR -19I-N-RV 1	DECO	DECO	0	0	6	0.09	6	0.09
4ARNOLD 3	344036 AMMO	4MER 1&4	345123 AMMO	1559	344086-345123 4BAUMGT TP2 -4MER 1&4 1	AMMO	AMMO	0	0	1708	121.21	1708	121.21
RUGBOTP7	620279 OTP	RUGBY 7	652452 WAUE	1561	620265-620266 DEVILSE7 -RAMSEY 7 1	OTP	WAUE	105	-7.16	0	0	105	7.16
CLBRTSN7	659112 BEPC	POPLAR 7	661075 BEPC	1562	652421-659262 WILISTN7 -CULBERTSN E71	BEPC	BEPC	1244	-25.56	0	0	1244	25.56
PLUMPIP7	620253 OTP	TRFALLS7	657713 MPC	1563	657706-657722 FALCONR7 -OSLO 7 1	OTP	MPC	16	-6.16	0	0	16	6.16
05RILEYC	243080 AEP	05YELLWC	247000 AEP	1564	239269-242993 02RICHLJ -05E.LPSC 1	AEP	AEP	0	0	1515	113.31	1515	113.31
05HOWARD	243024 AEP	05MELMOR	243039 AEP	1565	242984-243024 05CHATFL -05HOWARD 1	AEP	AEP	108	-20.71	0	0	108	20.71
05HOWARD	243024 AEP	05MELMOR	243039 AEP	1566	242984-243039 05CHATFL -05MELMOR 1	AEP	AEP	132	-22.59	0	0	132	22.59
18ALBAJ	256031 CONS	18ALBA	263670 WPSC	1567	256031-256599 18ALBAJ -18VANTYLE 1	CONS	WPSC	5	-0.18	0	0	5	0.18
KEWANEE	13271838 COMED	4KEWANEE N	348923 AMIL	1568	348923-348974 4KEWANEE N -4KEWANEE S Z	COMED	AMIL	0	0	1808	86.87	1808	86.87
BLRSTWN7	631013 ALTW	PRAR CK7	631017 ALTW	1569	631001-631012 TOLEDO 5 -BL.PLN.5 1	ALTW	ALTW	56	-35.88	0	0	56	35.88
4JACKSNVL	347297 AMIL	4JACKSNVL	IP348912 AMIL	1570	347688-347955 7MEREDOSIA -7AUSTIN 1	AMIL	AMIL	12	-1.14	0	0	12	1.14
4KEWANEE N	348923 AMIL	4KEWANEE S	348974 AMIL	1571	348944-349730 7SANDBURG -7FARGO 1	AMIL	AMIL	9	-1.11	0	0	9	1.11
4KEWANEE STP348924	AMIL	4SANDBURG	348972 AMIL	1571	348944-349730 7SANDBURG -7FARGO 1	AMIL	AMIL	0	0	3	6.77	3	6.77
HELENA 3	601050 NSP	SCOTTCO3	601055 NSP	1573	601015-601051 BLUE LK3 -HMPT CNR3 1	NSP	NSP	47	-2.58	0	0	47	2.58
GRE-MCHENRY7615348	GRE	VOLTAIR -CP7655643	BEPC	1574	615347-615903 GRE-MCHENRY4-GRE-BALTA 41	GRE	BEPC	562	-92.49	0	0	562	92.49
BIGSTON4	620314 OTP	BROWNSV4	620325 OTP	1575	620362-620363 OAKES 4 -FORMAN 4 1	OTP	OTP	503	-154.45	0	0	503	154.45
BIGSTON4	620314 OTP	BROWNSV4	620325 OTP	1576	620362-661098 OAKES 4 -ELLENDLMVP4 1	OTP	OTP	289	-118.45	0	0	289	118.45
WERNER W B2 694080	WEC	N APPLETON	699359 WEC	1579	694033-699359 MORGAN B2 -N APPLETON 1	WEC	WEC	0	0	12	2.36	12	2.36
RACINE4	699472 WEC	RACINE1	699471 WEC	1580	698853-699471 RACINE2 -RACINE1 Z	WEC	WEC	111	-15.18	0	0	111	15.18
4N.HARD	340615 BREC	5N.HARD	340616 BREC	1581	324173-340624 5MATANZAS -5BRTAP 1	BREC	BREC	626	-91.66	0	0	626	91.66
7PALMYRA	345436 AMMO	5PALMYRA	345437 AMMO	1582	345435-347010 7MAYWOOD -7HERLEMAN 1	AMMO	AMMO	229	-122.17	0	0	229	122.17
5MARBLE N	347516 AMIL	4MARBHD N	347515 AMIL	1582	345435-347010 7MAYWOOD -7HERLEMAN 1	AMIL	AMIL	25	-3.62	3	0.76	28	4.38
GRIMES 3	635600 MEC	SYCAMOR3	635700 MEC	1583	635600-635700 GRIMES 3 -SYCAMOR3 2	MEC	MEC	500	-15.18	0	0	500	15.18
05FALL C	243222 AEP	16SUNNYS	254535 IPL	1585	243222-249515 05FALL C -08NOBLSV 1	AEP	IPL	497	-36.55	0	0	497	36.55
05FALL C	243292 AEP	08NEWCAS	249810 DUK-IN	1586	243222-254535 05FALL C -16SUNNYS 1	AEP	DUK-IN	220	-41.23	0	0	220	41.23
08NOBLSV	249626 DUK-IN	08DURBIN	249637 DUK-IN	1586	243222-254535 05FALL C -16SUNNYS 1	DUK-IN	DUK-IN	14	-6.63	0	0	14	6.63
10ELOT13	253526 SIGE	10802288	253552 SIGE	1587	249510-253620 08GIBSON -10ABB345 1	SIGE	SIGE	0	0	127	6.35	127	6.35
08M.FORT	250057 DUK-OH	08M.FORT	249567 DUK-OH	1588	249567-249575 08M.FORT -08TERMNL 1	DUK-OH	DUK-OH	0	0	8	7.3	8	7.3
08SGROVE	249573 DUK-OH	08SGROVE	250097 DUK-OH	1589	249571-249573 08REDBK1 -08SGROVE 1	DUK-OH	DUK-OH	459	-178.47	0	0	459	178.47
18SPALDG	256271 CONS	18PETISJ	256326 CONS	1590	256147-256215 18GAINES -18MEADWJ 1	CONS	CONS	0	0	5	11.66	5	11.66
19BISMARCK1	264788 DECO	19GOLF2	265023 DECO	1591	264535-264663 19BENSN -19STEPH 1	DECO	DECO	0	0	153	0.73	153	0.73
19CANIF	264538 DECO	19CORTL	264544 DECO	1592	264538-264983 19CANIF -19BRSTL4 1	DECO	DECO	80	-1.76	0	0	80	1.76
4LTV STL	NTP348919 AMIL	4PRINCETN	TP348921 AMIL	1594	271655-271835 HENNEEPIN; T-KEWANEE ;231	AMIL	AMIL	0	0	162	76.66	162	76.66
CRESCENT ; R271241	COMED	OGLESBY ; T272189	COMED	1594	271655-271835 HENNEEPIN; T-KEWANEE ;231	COMED	COMED	291	-16.27	0	0	291	16.27
4INA	347280 AMIL	4WALTON TP	348841 AMIL	1595	346992-348827 7E W FKFT -7W MT VERNON1	AMIL	AMIL	0	0	804	182.11	804	182.11
4W FKFT E	348416 AMIL	4W.FRKFT	348425 AMIL	1595	346992-348827 7E W FKFT -7W MT VERNON1	AMIL	AMIL	0	0	464	118.45	464	118.45
4BROKAW	348848 AMIL	4N LEROY	TAP348898 AMIL	1596	348770-348850 7GOOS_CRK -7MAROA E JCT1	AMIL	AMIL	659	-338.27	0	0	659	338.27

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
4BROKAW 348848 AMIL 4N LEROY TAP348898 AMIL	1597	348770-348882 7GOOS_CRK -7RISING 1	AMIL	AMIL	185	-96.61	0	0	185	96.61
4MAKANDA 347499 AMIL 4ORDILL 347883 AMIL	1598	346792-347166 4CARBD NW -4GRAND TW 1	AMIL	AMIL	74	-1.84	0	0	74	1.84
4GIBSON C 347114 AMIL 4CB BROKW TP348913 AMIL	1599	347114-347971 4GIBSON C -4PAXTON 1	AMIL	AMIL	40	-1.11	0	0	40	1.11
MAZON ; R271987 COMED OGLESBY ; T272189 COMED	1600	348745-348854 4DIAMSTR TP1-4MCLEAN CO 1	COMED	COMED	0	0	1044	160.25	1044	160.25
4GHENT 324253 LKE 4NAS TP 324287 LKE	1602	324105-324109 7GHENT -7NAS 1	LKE	LKE	1092	-252.9	0	0	1092	252.9
POWESHK5 631113 ALTW BEACON 5 635870 MEC	1603	631143-635730 OTTUMWA3 -MNTZUMA3 1	ALTW	MEC	118	-8.82	0	0	118	8.82
CBLUFFS3 635000 MEC S3456 3 645456 OPPD	1604	635017-640139 ATCHSN 3 -COOPER 3 1	MEC	OPPD	1617	-71.97	0	0	1617	71.97
MONONA 5 635300 MEC CRWFRD 5 635330 MEC	1605	635320-656283 CARROLL5 -DRAGER5 1	MEC	MEC	0	0	1	0.05	1	0.05
GRE-JOHNJCT7616002 GRE ORTONVL7 620216 OTP	1606	652550-652554 GRANITF4 -MORRIS 4 1	GRE	OTP	0	0	20	41.42	20	41.42
19CANIFP 264730 DECO 19CANIF 264538 DECO	1608	264626-264763 19NEAST -19STEPH 1	DECO	DECO	464	-129.59	0	0	464	129.59
LATHAM ; T270804 COMED 7LATHAM 348856 AMIL	1610	270796-270804 KINCAID ; B-LATHAM ; T1	COMED	AMIL	7	-0.16	0	0	7	0.16
IRONRNG4 608622 MP FORBES 4 608624 MP	1611	601001-601013 FORBES 2 -ROSEAU52 1	MP	MP	134	-5.02	0	0	134	5.02
4SPLENDRI 334118 EES-TX 4JACINTO% 334208 EES-TX	1613	334124-334202 6BRANCH% -6CHPTS2R 1	EES-TX	EES-TX	0	0	3	3.57	3	3.57
GRE-PANTHER4615529 GRE HUC-MCLEOD 4619940 GRE	1617	601050-601055 HELENA 3 -SCOTTCO3 1	GRE	GRE	4	-0.47	0	0	4	0.47
BROOKLINE 7549984 SPRM YBUS2007 97991 SPRM	1619	549984- 97990 BROOKLINE 7-YBUS2008 2	SPRM	SPRM	164	-12.21	0	0	164	12.21
4KOUNTZE% 334317 EES-TX 4LUMBRTN 334318 EES-TX	1627	334326-334328 6CYPRESS% -6BEVIL 1	EES-TX	EES-TX	0	0	13	5.51	13	5.51
S3 7 652508 WAUE GRANITF7 652551 WAUE	1647	601048- 97947 LYON CO 3 -YBUS2051 9	WAUE	WAUE	232	-17.8	0	0	232	17.8
NEAST 5 542985 KCPL CHARLOT5 543133 KCPL	1648	542985-542988 NEAST 5 -GRAND W5 1	KCPL	KCPL	22	-12.82	0	0	22	12.82
NEOSHO 5 532937 WR RIV4525 547469 EDE	1649	300739-532793 7BLACKBERRY-NEOSHO 7 1	WR	EDE	1887	-233.06	0	0	1887	233.06
05CLYTR1 242608 AEP 05SCHRIS 242791 AEP	1654	242512-242514 05CLOVRD -05J.FERR 1; 242684-242685	AEP	AEP	847	-270.24	0	0	847	270.24
05M FUNK 242708 AEP 05TECHDR 243874 AEP	1654	242512-242514 05CLOVRD -05J.FERR 1; 242684-242685	AEP	AEP	0	0	88	19.44	88	19.44
DRESDEN ; R270717 COMED ELWOOD ; R270737 COMED	1655	05J.FERR -05J.FERX Z 270717-270731 DRESDEN ; R-ELECT JCT;4R1; 270717-275180 DRESDEN ; R-DRESDEN ;3M1 336137-500360 6SLIDEL! -FRONTST6 1; 336149-336153 6WATFRD_TP% -1WAT U3! 1; 336149-336153	COMED	COMED	197	-14.03	0	0	197	14.03
8WATERFO 336150 EES-LA 6WATFRD% 336154 EES-LA	1665	6WATFRD_TP% -1WAT U3! 2 336001-336003 6EVGREN! -6DNLDVL 1; 336149-336153 6WATFRD_TP% -1WAT U3! 1; 336149-336153	EES-LA	EES-LA	4	-2.47	0	0	4	2.47
8WATERFO 336150 EES-LA 6WATFRD% 336154 EES-LA	1666	6WATFRD_TP% -1WAT U3! 2 336150-336154 8WATERFO -6WATFRD% 1; 336149-336153 6WATFRD_TP% -1WAT U3! 1; 336149-336153	EES-LA	EES-LA	3	-1.02	0	0	3	1.02
6PANAMA% 336063 EES-LA 6WILTON% 336070 EES-LA	1667	6WATFRD_TP% -1WAT U3! 2 335618-336150 8WILLOW_GL% -8WATERFO 1; 336149-336153 6WATFRD_TP% -1WAT U3! 1; 336149-336153	EES-LA	EES-LA	35	-10.75	0	0	35	10.75
6ST_GABRIEL%335569 EES-LA 6AAC_CORP 335573 EES-LA	1668	6WATFRD_TP% -1WAT U3! 2 336131-336136 6ADMSCRK% -6BOGALUS! 2; 336149-336153 6WATFRD_TP% -1WAT U3! 1; 336149-336153	EES-LA	EES-LA	7	-0.98	0	0	7	0.98
6ADMSCRK% 336131 EES-LA 6BOGALUS! 336136 EES-LA	1672	6WATFRD_TP% -1WAT U3! 2 334363-334429 6HARTBRG% -6CHISHOLM% 1; 334456-334455 1CONOCU! -4SRWCONOCO! 1; 334457-334455 1CONOCU2! -4SRWCONOCO! 1; 334458-334455 1CONOCU3!	EES-LA	EES-LA	68	-10.49	0	0	68	10.49
6MCLEWIS 334361 EES-TX 6CHISHOLM% 334429 EES-TX	1673	-4SRWCONOCO! 1	EES-TX	EES-TX	1	-0.18	0	0	1	0.18

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
4TOOMEY 335087 EES-LA 4MARSHALL 335088 EES-LA	1676	334320-334325 8CYPRESS% -8HARTBRG% 1; 334456-334455 1CONOCU1! -4SRWCONOCO! 1; 334457-334455 1CONOCU2! -4SRWCONOCO! 1; 334458-334455 1CONOCU3! - 4SRWCONOCO! 1	EES-LA	EES-LA	0	0	1	0.09	1	0.09
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1676	334320-334325 8CYPRESS% -8HARTBRG% 1; 334456-334455 1CONOCU1! -4SRWCONOCO! 1; 334457-334455 1CONOCU2! -4SRWCONOCO! 1; 334458-334455 1CONOCU3! - 4SRWCONOCO! 1	EES-LA	EES-LA	0	0	1815	266.29	1815	266.29
4FORK CK 334281 EES-TX 4RAYBURN% 334282 EES-TX	1676	334320-334325 8CYPRESS% -8HARTBRG% 1; 334456-334455 1CONOCU1! -4SRWCONOCO! 1; 334457-334455 1CONOCU2! -4SRWCONOCO! 1; 334458-334455 1CONOCU3! - 4SRWCONOCO! 1	EES-TX	EES-TX	0	0	47	12.26	47	12.26
6WATFRD% 336154 EES-LA 6GYPSY% 336190 EES-LA	1710	336154-336190 6WATFRD% -6GYPSY% 1; 336250-336252 69MILE% -1NMIL U5! 1	EES-LA	EES-LA	11	-5.84	0	0	11	5.84
6MCLEWIS 334361 EES-TX 6CHISHOLM% 334429 EES-TX	1742	334363-334429 6HARTBRG% -6CHISHOLM% 1; 334440-334434 1G4SABIN! -6SABINE% 1	EES-TX	EES-TX	72	-62.64	0	0	72	62.64
6MCLEWIS 334361 EES-TX 6CHISHOLM% 334429 EES-TX	1743	334363-334429 6HARTBRG% -6CHISHOLM% 1; 334441-334434 1G5SABIN! -6SABINE% 1	EES-TX	EES-TX	6	-1.43	0	0	6	1.43
6MCLEWIS 334361 EES-TX 6CHISHOLM% 334429 EES-TX	1744	334363-334429 6HARTBRG% -6CHISHOLM% 1; 334432-334430 1G2SABIN! -4SABINE% 1	EES-TX	EES-TX	4	-1.06	0	0	4	1.06
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1760	334320-334325 8CYPRESS% -8HARTBRG% 1; 334440-334434 1G4SABIN! -6SABINE% 1	EES-LA	EES-LA	0	0	95	45.61	95	45.61
4FORK CK 334281 EES-TX 4RAYBURN% 334282 EES-TX	1760	334320-334325 8CYPRESS% -8HARTBRG% 1; 334440-334434 1G4SABIN! -6SABINE% 1	EES-TX	EES-TX	0	0	479	304.39	479	304.39
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1761	334320-334325 8CYPRESS% -8HARTBRG% 1; 334441-334434 1G5SABIN! -6SABINE% 1	EES-LA	EES-LA	0	0	1	0	1	0
4FORK CK 334281 EES-TX 4RAYBURN% 334282 EES-TX	1761	334320-334325 8CYPRESS% -8HARTBRG% 1; 334441-334434 1G5SABIN! -6SABINE% 1	EES-TX	EES-TX	0	0	71	17.26	71	17.26
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1762	334320-334325 8CYPRESS% -8HARTBRG% 1; 334432-334430 1G2SABIN! -4SABINE% 1	EES-LA	EES-LA	0	0	274	125.59	274	125.59
4FORK CK 334281 EES-TX 4RAYBURN% 334282 EES-TX	1762	334320-334325 8CYPRESS% -8HARTBRG% 1; 334432-334430 1G2SABIN! -4SABINE% 1	EES-TX	EES-TX	0	0	94	27.67	94	27.67
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1763	335089-335200 4HOLLYWOOD! -4NELSON% 1; 334440-334434 1G4SABIN! -6SABINE% 1	EES-LA	EES-LA	0	0	6	4.17	6	4.17
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1765	335089-335200 4HOLLYWOOD! -4NELSON% 1; 334432-334430 1G2SABIN! -4SABINE% 1	EES-LA	EES-LA	0	0	21	7.41	21	7.41
6NELSON% 335190 EES-LA 8NELSON% 335192 EES-LA	1766	335189-335066 8PATTON -6PATTON 1; 700004-335190 6NEWNEL -6NELSON% 1; 700005-335200 4NEWNEL -4NELSON% 1	EES-LA	EES-LA	0	0	36	1.28	36	1.28
6NELSON% 335190 EES-LA 8NELSON% 335192 EES-LA	1767	335189-335066 8PATTON -6PATTON 1; 335190-335206 6NELSON% -1NELSON_G6! 1	EES-LA	EES-LA	0	0	6	0.19	6	0.19
4CARLYSS! 335060 EES-LA 6CARLYSS% 335070 EES-LA	1768	335200-335190 4NELSON% -6NELSON% 1; 700004-335190 6NEWNEL -6NELSON% 1; 700005-335200 4NEWNEL -4NELSON% 1	EES-LA	EES-LA	0	0	1602	468.52	1602	468.52
8HARTBRG% 334325 EES-TX LAYFLD8 509366 SPP-C	1770	335192-335367 8NELSON% -8RICHARD% 1; 700004-335190 6NEWNEL -6NELSON% 1; 700005-335200 4NEWNEL -4NELSON% 1	EES-TX	SPP-C	0	0	10	1.07	10	1.07
4BAYOU_COVE%303014 LAGN 4HEBERT 335365 LAGN	1770	335192-335367 8NELSON% -8RICHARD% 1; 700004-335190 6NEWNEL -6NELSON% 1; 700005-335200 4NEWNEL -4NELSON% 1	LAGN	LAGN	13	-6.38	0	0	13	6.38

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
8HARTBRG% 334325 EES-TX LAYFLD8 509366 SPP-C	1771	335192-335367 8NELSON% -8RICHARD% 1; 335190-335206 6NELSON% -1NELSON_G6! 1	EES-TX	SPP-C	0	0	7	0.43	7	0.43
4BAYOU_COVE%303014 LAGN 4HEBERT 335365 LAGN	1771	335192-335367 8NELSON% -8RICHARD% 1; 335190-335206 6NELSON% -1NELSON_G6! 1	LAGN	LAGN	35	-12.44	0	0	35	12.44
8HARTBRG% 334325 EES-TX LAYFLD8 509366 SPP-C	1772	335368-335500 8WELLS% -8WEBRE% 1; 700004-335190 6NEWNEL -6NELSON% 1; 700005-335200 4NEWNEL -4NELSON% 1	EES-TX	SPP-C	0	0	20	0.3	20	0.3
BVISTA 4 500060 CLEC ELPTAP 4 500290 CLEC	1772	335368-335500 8WELLS% -8WEBRE% 1; 700004-335190 6NEWNEL -6NELSON% 1; 700005-335200 4NEWNEL -4NELSON% 1	CLEC	CLEC	195	-8.68	0	0	195	8.68
8HARTBRG% 334325 EES-TX LAYFLD8 509366 SPP-C	1773	335368-335500 8WELLS% -8WEBRE% 1; 335190-335206 6NELSON% -1NELSON_G6! 1	EES-TX	SPP-C	0	0	2	0.05	2	0.05
BVISTA 4 500060 CLEC ELPTAP 4 500290 CLEC	1773	335368-335500 8WELLS% -8WEBRE% 1; 335190-335206 6NELSON% -1NELSON_G6! 1	CLEC	CLEC	52	-0.61	0	0	52	0.61
6ST_GABRIEL%335569 EES-LA 6AAC_CORP 335573 EES-LA	1776	335568-335582 6WILLOW_GL% -6BOXWOOD% 1; 336250-336242 69MILE% -1NMIL6 ST1 1; 336280-336240 39MILE% -1NMIL6 CT1 1; 336280-336241 39MILE% -1NMIL6 CT2 1	EES-LA	EES-LA	2	-0.08	0	0	2	0.08
6ST_GABRIEL%335569 EES-LA 6AAC_CORP 335573 EES-LA	1777	335568-335582 6WILLOW_GL% -6BOXWOOD% 1; 336250-336252 69MILE% -1NMIL U5! 1	EES-LA	EES-LA	5	-2.12	0	0	5	2.12
6ADMSCRK% 336131 EES-LA 6BOGALUS! 336136 EES-LA	1778	336131-336136 6ADMSCRK% -6BOGALUS! 1; 336250-336242 69MILE% -1NMIL6 ST1 1; 336280-336240 39MILE% -1NMIL6 CT1 1; 336280-336241 39MILE% -1NMIL6 CT2 1	EES-LA	EES-LA	17	-5.17	0	0	17	5.17
6ADMSCRK% 336131 EES-LA 6BOGALUS! 336136 EES-LA	1779	336131-336136 6ADMSCRK% -6BOGALUS! 1; 336250-336252 69MILE% -1NMIL U5! 1	EES-LA	EES-LA	23	-7.47	0	0	23	7.47
HOLLY 4 509110 SPP-C CHIRENO4 509125 SPP-C	1781	334028-509241 7GRIMES% -CROCKET7 1; 334440-334434 1G4SABIN! -6SABINE% 1	SPP-C	SPP-C	7	-4.74	0	0	7	4.74
HG_CONVRTR_N107326 ISO-NE HG_CONVRTR_S107324 ISO-NE	DC	DC	ISO-NE	ISO-NE	0	0	3590	-0.23	3590	0.23
OUT315 180326 TE OUTHAW 180526 TE	DC	DC	TE	TE	21	-0.02	0	0	21	0.02
OUT315 180326 TE OUTHAW 180526 TE	DC	DC	TE	TE	0	0	30	0	30	0
MADAWA 180575 TE MADAWA A180675 TE	DC	DC	TE	TE	0	0	564	-0.06	564	0.06
RAD315 A181020 TE SNDYPD HVDC1114071 ISO-NE	DC	DC	TE	ISO-NE	1145	-0.07	0	0	1145	0.07
RAD315 A181020 TE SNDYPD HVDC2114072 ISO-NE	DC	DC	TE	ISO-NE	4477	-0.24	0	0	4477	0.24
28NEPTUNE 206400 JCPL NEPTCONV 128842 NY	DC	DC	JCPL	NY	808	-0.36	7289	22.69	8097	23.05
CNV_BRG 219810 PSEG CNV_BRG2 217177 PSEG	DC	DC	PSEG	PSEG	176	-0.03	8405	3.03	8581	3.06
SQBP1DC4 608597 MP ARDP1DC4 608596 MP	DC	DC	MP	MP	5438	-32.61	2046	13.43	7484	46.04
SQBP2DC4 608599 MP ARDP2DC4 608598 MP	DC	DC	MP	MP	5661	-32.32	2073	13.09	7734	45.41
GRE-COAL CR4615600 GRE GRE-DICKNSN3615353 GRE	DC	DC	GRE	GRE	3045	-2.24	859	0.33	3904	2.57
GRE-COAL CR4615600 GRE GRE-DICKNSN3615353 GRE	DC	DC	GRE	GRE	506	-0.28	17	-0.01	523	0.29
CONAWAP4 667000 MHEB RIEL 4 667041 MHEB	DC	DC	MHEB	MHEB	2210	-2.3	475	0.05	2685	2.35
CONAWAP4 667000 MHEB RIEL 4 667041 MHEB	DC	DC	MHEB	MHEB	1682	-1.77	496	-0.31	2178	2.08
HENDAY 4 667001 MHEB DORSEY 4 667035 MHEB	DC	DC	MHEB	MHEB	1525	-1.62	1411	-0.27	2936	1.89
HENDAY 4 667001 MHEB DORSEY 4 667035 MHEB	DC	DC	MHEB	MHEB	771	-0.86	2041	-1.38	2812	2.24
RADSND6 667231 MHEB DC5 JCT4 667036 MHEB	DC	DC	MHEB	MHEB	496	-0.59	0	0	496	0.59
RADSND6 667231 MHEB DC6 JCT4 667037 MHEB	DC	DC	MHEB	MHEB	483	-0.58	7	-0.01	490	0.59

**PROMOD Projected Congestion Data
2026 - ATT No H-W**

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
HG_CONVRTR_N107326 ISO-NE HG_CONVRTR_S107324 ISO-NE	1	No Outage	ISO-NE	ISO-NE	4630	-3.96	3637	2.73	8267	6.69
CONAWAP4 667000 MHEB RIEL 4 667041 MHEB	1	No Outage	MHEB	MHEB	6246	-6.27	2512	2.41	8758	8.68
INTERFACE PJM Eastern Interfac 7	1	No Outage			25	-0.55	0	0	25	0.55
INTERFACE PJM-CENTRAL INTERFAC 8	1	No Outage			813	-11.33	31	0.7	844	12.03
INTERFACE PJM- WESTERN INTERFA 9	1	No Outage			44	-0.7	0	0	44	0.7
INTERFACE AP South Interface 10	1	No Outage			80	-1.28	0	0	80	1.28
INTERFACE McGulpin - Straits 17	1	No Outage			2883	-32.59	1336	11.9	4219	44.49
INTERFACE SPPSPSTIES 18	1	No Outage			0	0	40	0.23	40	0.23
INTERFACE GRIS_LNC 20	1	No Outage			101	-2.46	2	0.07	103	2.53
INTERFACE COOPER_S 21	1	No Outage			499	-17.72	0	0	499	17.72
INTERFACE FTCAL_SOUTH 22	1	No Outage			0	0	34	1.28	34	1.28
INTERFACE SPS North - South 24	1	No Outage			224	-3.88	0	0	224	3.88
INTERFACE MHEX_S 25	1	No Outage			0	0	4	0.01	4	0.01
INTERFACE MH_ONT_W 27	1	No Outage			1166	-8.19	3901	97.79	5067	105.98
INTERFACE DYSINGER 7001 28	1	No Outage			38	-0.43	0	0	38	0.43
INTERFACE NY WEST CENTRAL 29	1	No Outage			36	-0.17	1	0	37	0.17
INTERFACE ADIRONDACK - CENTRAL 30	1	No Outage			0	0	3894	4.98	3894	4.98
INTERFACE EDISON LONGISLAND 33	1	No Outage			738	-0.04	2577	1	3315	1.04
INTERFACE DUNWOODIE - SOUTH TI 34	1	No Outage			2975	-12.68	0	0	2975	12.68
INTERFACE IESO-MP 39	1	No Outage			4584	-98.87	220	2.56	4804	101.43
INTERFACE HYDROONE_ONT-ITC 41	1	No Outage			4	-0.02	0	0	4	0.02
INTERFACE ONT-NVIS 42	1	No Outage			1022	-1.29	4239	38.94	5261	40.23
COALCREEK NOMO 1	1	No Outage			4210	-46.2	2910	27.96	7120	74.16
MISO-ONT Nomogram 2	1	No Outage			3193	-55.79	3702	32.65	6895	88.44
North South Constraint 3	1	No Outage			920	-3.9	29	0.13	949	4.03
OAHE 4 652519 WAUE SULLYBT4 652521 WAUE	1	No Outage	WAUE	WAUE	3	-2.22	0	0	3	2.22
POWERTON ; R270855 COMED 7TAZEWELL 349662 AMIL	1	No Outage	COMED	AMIL	7	-0.06	0	0	7	0.06
05DANVL2 242620 AEP 05EDAN 1 242631 AEP	1	No Outage	AEP	AEP	161	-54.54	0	0	161	54.54
CDRGV 216915 PSEG ROSELAND 216950 PSEG	1	No Outage	PSEG	PSEG	1570	-0.5	13	0	1583	0.5
E FRANKFO; R270729 COMED GOODINGS ;1R270767 COMED	1	No Outage	COMED	COMED	3	-0.02	0	0	3	0.02
ELECT JCT; B270730 COMED NELSON ; B270828 COMED	1	No Outage	COMED	COMED	0	0	9	0.97	9	0.97
26ERIE E 200654 PENELEC 26FOURMILE 200928 PENELEC	1	No Outage	PENELEC	PENELEC	2835	-414.31	0	0	2835	414.31
ESSEX_PAR 217124 PSEG ESSEX_PLEADS219078 PSEG	1	No Outage	PSEG	PSEG	670	-0.02	5669	0.79	6339	0.81
ATHENIA_3 216901 PSEG ERUTHF_1 217304 PSEG	1	No Outage	PSEG	PSEG	11	0	0	0	11	0
FTSLO PS 224121 PEPKO FTSLO 69 224122 PEPKO	1	No Outage	PEPCO	PEPCO	3146	-1.1	4469	0.66	7615	1.76
N PHILA 213817 PECO WANEETA2 214010 PECO	1	No Outage	PECO	PECO	0	0	2	0.1	2	0.1
QUAD 1 3-11 270864 COMED ROCK CK3 631141 ALTW	1	No Outage	COMED	ALTW	6	-4.66	0	0	6	4.66
SAHA34TP 208071 PPL GRACETON 220964 BGE	1	No Outage	PPL	BGE	4	-0.13	0	0	4	0.13
26SHELOCTA 200795 PENELEC 26KEYSTONE 200810 PENELEC	1	No Outage	PENELEC	PENELEC	13	-0.52	0	0	13	0.52
SPRINGRD_2 216911 PSEG ALDENE_6 218345 PSEG	1	No Outage	PSEG	PSEG	0	0	78	0.61	78	0.61
26TIFFANY 200679 PENELEC 26LAUREL L 200680 PENELEC	1	No Outage	PENELEC	PENELEC	0	0	141	12.78	141	12.78

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
WALDWICK 217062 PSEG WALDWICK 217063 PSEG WEMPLETOW; B270918 COMED WEMPLETOW;4M275231 COMED	1	No Outage	PSEG	PSEG	1	0	6035	53.16	6036	53.16
28WHIPPANY 206257 JCPL ROSELAND 216950 PSEG	1	No Outage	COMED	COMED	1	-0.03	381	24.91	382	24.94
WSPTSEC2 221331 BGE WP PH.S2 221373 BGE	1	No Outage	JCPL	PSEG	0	0	360	7.74	360	7.74
5BRTAP 340624 BREC 5PARADISE FP360043 TVAZ	1	No Outage	BGE	BGE	515	-0.02	1991	0.33	2506	0.35
ARROWHD4 608615 MP AWHD PST 699448 WPS	1	No Outage	BREC	TVAZ	3	-0.1	0	0	3	0.1
19DIGTP 264610 DECO 19WTRMN 264690 DECO	1	No Outage	MP	WPS	257	-2.48	0	0	257	2.48
19BLRPP 264604 DECO 19STCPP 264656 DECO	1	No Outage	DECO	DECO	1	0	1	0	2	0
	1	No Outage	DECO	DECO	2	0	0	0	2	0
STATELINE; R272503 COMED STATELINE;5S272507 COMED	1	No Outage	COMED	COMED	9	-0.09	0	0	9	0.09
STATELINE;3B272504 COMED STATELINE;2S272506 COMED RIDGELAND; B272352 COMED RIDGELAND;BS272354 COMED	1	No Outage	COMED	COMED	568	-7.89	0	0	568	7.89
	1	No Outage	COMED	COMED	300	-0.16	0	0	300	0.16
RAM PAR 126296 NY RAMAPO 126297 NY	1	No Outage	NY	NY	232	-0.01	7627	23.34	7859	23.35
RAM PAR 126296 NY RAMAPO 126297 NY	1	No Outage	NY	NY	205	-0.01	7636	23.35	7841	23.36
LARSON 4659372 BEPC TIOGA4 4 661084 BEPC	1	No Outage	BEPC	BEPC	0	0	2852	28.52	2852	28.52
LARSON 4659372 BEPC BDV 4 672603 SPC	1	No Outage	BEPC	SPC	0	0	3255	28.13	3255	28.13
6BLYTHE 312706 NC-SC 6VCS1_1 371111 NC-SC	1	No Outage	NC-SC	NC-SC	0	0	2	5.31	2	5.31
6SRS2 371308 NC-SC 6VOGTLE 380115 SE	1	No Outage	NC-SC	SE	0	0	5	2.13	5	2.13
GENTLMN3 640183 NPPD REDWILO3 640325 NPPD	1	No Outage	NPPD	NPPD	29	-2.1	0	0	29	2.1
WEBSTER5 636001 MEC WRIGHT 5 636050 MEC	1	No Outage	MEC	MEC	3	0	0	0	3	0
MONONA 5 635300 MEC MONONA 8 635301 MEC	1	No Outage	MEC	MEC	33	-0.66	0	0	33	0.66
YBUS2615 97383 MDU COYOTE 7 661018 OTP	1	No Outage	MDU	OTP	56	-1.51	0	0	56	1.51
HIBBARD7 608676 MP WNTR ST7 608680 MP	1	No Outage	MP	MP	382	-0.31	0	0	382	0.31
TOWNLINE 699141 ALTE BASSCRK 699897 ALTE	1	No Outage	ALTE	ALTE	24	-20.5	0	0	24	20.5
CNASTONE 200004 BGE PCHBTM1S 200064 PECO	1	No Outage	BGE	PECO	0	0	2656	192.44	2656	192.44
18ALBAJ 256031 CONS STOVER 256275 CONS	1	No Outage	CONS	CONS	0	0	292	36.77	292	36.77
CLYBOURN ; B271218 COMED DIVERSEY ; B271326 COMED	1	No Outage	COMED	COMED	266	-0.05	0	0	266	0.05
CLYBOURN ; B271218 COMED WEST LOOP; G272762 COMED GRENSHAW ; R271579 COMED WASHINGTO; R272727 COMED	1	No Outage	COMED	COMED	0	0	27	0.19	27	0.19
	1	No Outage	COMED	COMED	0	0	105	0.12	105	0.12
4KEWANEE STP348924 AMIL 4KEWANEE S 348974 AMIL	1	No Outage	AMIL	AMIL	0	0	4	0.74	4	0.74
WEBER RD ; B272742 COMED WILL CNTY;BT272784 COMED	1	No Outage	COMED	COMED	0	0	60	60.52	60	60.52
ST LAKES 602017 NSP MINONG 5 608631 MP	1	No Outage	NSP	MP	134	-0.06	0	0	134	0.06
05APPLY 242955 AEP 05NLEXTN 243061 AEP	1	No Outage	AEP	AEP	0	0	51	13.08	51	13.08
07RATTAP 248428 HE 16PETE 254638 IPL	1	No Outage	HE	IPL	0	0	79	7.17	79	7.17
HANKSON4 620327 OTP WAHPETN4 620329 OTP	1	No Outage	OTP	OTP	119	-16.69	0	0	119	16.69
05LEESVI 242701 AEP 4ALTVSTA 314667 DOM	1	No Outage	AEP	DOM	7	-3.85	0	0	7	3.85
4W FKFT E 348416 AMIL 4FRANKLIN 350216 SIPC	1	No Outage	AMIL	SIPC	16	-8.92	0	0	16	8.92
ATCHSN 3 635017 MEC COOPER 3 640139 NPPD	1	No Outage	MEC	NPPD	631	-12.18	0	0	631	12.18
5MATANZAS 324173 LKE 5BRTAP 340624 BREC	1	No Outage	LKE	BREC	42	-10.3	0	0	42	10.3
08CONERV 249714 DUK-IN 08LEWSVL 249783 DUK-IN	1	No Outage	DUK-IN	DUK-IN	0	0	25	2.53	25	2.53
ROLLETTE 230620378 OTP RUGBY 4 620379 OTP	1	No Outage	OTP	OTP	0	0	233	5.17	233	5.17
5LEBJCTT 324150 LKE 5PADDYSR 324154 LKE	5	242510-242511 05BAKER -05BROADF 1	LKE	LKE	0	0	10	19.29	10	19.29

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5MARYVL 300097 AECIZ 5NODWAY 300104 AECIZ	8	541252-541253 ST JOEREA 5 -ST JOE 5 Z	AECIZ	AECIZ	0	0	3	0.17	3	0.17
5PINEVSW 324156 LKE 5PINEVILL KY360452 TVAZ	29	324073-360102 8POCKETN -8PHIPPS B NP1 541199-542980 ST JOE 3 -NASHUA 7 1; 542972-542980	LKE	TVAZ	141	-48.04	0	0	141	48.04
5FAIRPT 300076 AECIZ 5OSBORN 300107 AECIZ	34	HAWTH 7 -NASHUA 7 1	AECIZ	AECIZ	6	-0.99	0	0	6	0.99
POWERTON ; R270855 COMED 7TAZEWELL 349662 AMIL	40	270769-270855 GOODINGS ;2R-POWERTON ; R1	COMED	AMIL	27	-0.19	0	0	27	0.19
SUNNYVAL 699666 WPS SHRMN ST 699704 WPS	44	694002-694068 ARPIN B3 -ROCKY RN B8 1	WPS	WPS	0	0	16	6.13	16	6.13
05BENTON 243212 AEP 05BENTON 243250 AEP	48	243212-243215 05BENTON -05COOK 1	AEP	AEP	14	-2.03	0	0	14	2.03
LORETTO ; B270704 COMED PONTIAC ; B270852 COMED	59	270717-270853 DRESDEN ; R-PONTIAC ; R1	COMED	COMED	0	0	46	2.47	46	2.47
02AVON 238551 FE-ATSI 02LAKEAVE 239725 FE-ATSI	68	238551-239725 02AVON -02LAKEAVE 1	FE-ATSI	FE-ATSI	0	0	10	7.67	10	7.67
05DANVL2 242620 AEP 05EDAN 1 242631 AEP	104	242519-314912 05CLOVRD -8LEXNGTN 1	AEP	AEP	88	-8.49	0	0	88	8.49
05DANVL2 242620 AEP 05EDAN 1 242631 AEP	115	242520-306719 05J.FERR -8ANTIOCH 1	AEP	AEP	1444	-194.61	0	0	1444	194.61
05TANNER 243233 AEP 08M.FORT 249567 DUK-OH	134	249565-249575 08EBEND -08TERMNL 1	AEP	DUK-OH	942	-123.4	0	0	942	123.4
08M.FORT 250057 DUK-OH 08HEBTAP 250151 DUK-OH	134	249565-249575 08EBEND -08TERMNL 1	DUK-OH	DUK-OH	13	-16.71	0	0	13	16.71
6CHARVL 314749 DOM 6PROFFIT 314772 DOM	158	314908-314910 8ELMONT -8CUNNING 1	DOM	DOM	1	-0.12	0	0	1	0.12
3RIVERTON 337338 EES-LA 3RILLA 337386 EES-LA	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-LA	EES-LA	0	0	3	0.03	3	0.03
3PARNELL RD 337545 EES-ARK 3NEWELL 337546 EES-ARK	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-ARK	EES-ARK	6	-7.39	0	0	6	7.39
3WYATT 337544 EES-ARK 3PARNELL RD 337545 EES-ARK	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-ARK	EES-ARK	229	-97.46	0	0	229	97.46
DOLHILL7 500250 CLEC DOLHILL6 500260 CLEC	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	CLEC	CLEC	158	-7.87	0	0	158	7.87
3MINDEN_LA 337361 EES-LA 3SAREPTA 337363 EES-LA	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-LA	EES-LA	0	0	27	7.28	27	7.28
3DOWNSVILLE 337374 EES-LA 3STERL2% 337414 EES-LA	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-LA	EES-LA	0	0	10	10.32	10	10.32
3ROCKYMT115T304223 NC-SC 3BTLEBRO 314554 DOM	163	304183-314935 8WAKE 500 TT-8HERITAGE 1	NC-SC	DOM	0	0	1539	397.56	1539	397.56
6GREENVILE T304451 NC-SC 6EVERETS 314574 DOM	163	304183-314935 8WAKE 500 TT-8HERITAGE 1	NC-SC	DOM	0	0	108	20.4	108	20.4
6PERSON230 T304070 NC-SC 6HALIFAX 314697 DOM	163	304183-314935 8WAKE 500 TT-8HERITAGE 1	NC-SC	DOM	0	0	85	9.66	85	9.66
INTERFACE AP SOUTH L/O BED-BLA 46	168	235101-235103 01BEDNGT -01BLACKO 1			0	0	18	0.6	18	0.6
WATERMAN ;3B272730 COMED W DEKALB ;3T272756 COMED	192	270730-270828 ELECT JCT; B-NELSON ; B1	COMED	COMED	0	0	1	0.05	1	0.05
WEMPLETOW; B270918 COMED WEMPLETOW;4M275231 COMED	196	270679-270918 BYRON ; R-WEMPLETOW; B1	COMED	COMED	0	0	730	50.76	730	50.76
01KRENDL 235205 APS 02SENECA 239099 FE-ATSI	197	235104-239280 01CABOT -02CRNBRY 1 235104-239280 01CABOT -02CRNBRY 1; 235703-239280	APS	FE-ATSI	3	-0.05	4	0.3	7	0.35
01MITCHL 235124 APS 15WILSON 254018 DUQ	198	01WYLIE R -02CRNBRY 1	APS	DUQ	5	-0.43	0	0	5	0.43
NOTTINGHM 213844 PECO NOTTREAC 213846 PECO	202	200004-200064 CNASTONE -PCHBTM1S 1	PECO	PECO	3	-0.27	0	0	3	0.27
QUAD 8-10 270867 COMED MECCORD3 636605 MEC	204	270700-270867 CORDOVA ; B-QUAD 8-10 1	COMED	MEC	38	-3.19	0	0	38	3.19
PLYMTG 3 213908 PECO WHITPAN3 214037 PECO	206	213525-214213 CROMBY 5 -LOCK 1	PECO	PECO	0	0	7	7.75	7	7.75
CUMB TR2 207950 PPL JUNI BU1 208004 PPL	210	207955-208005 DAUP TR2 -JUNI BU2 1	PPL	PPL	0	0	51	8.95	51	8.95
DRESDEN ; R270717 COMED DRESDEN ;3M275180 COMED	215	270717-270737 DRESDEN ; R-ELWOOD ; R1	COMED	COMED	395	-117.01	0	0	395	117.01
01CARNEG 235311 APS 05TIDD 243127 AEP	256	235363-243127 01MAHNSL -05TIDD 1	APS	AEP	0	0	2	0.23	2	0.23
26ERIE E 200654 PENELEC 26FOURMILE 200928 PENELEC	307	135398-200942 SW345 -26PIERCEBRK 1 235703-235707 01WYLIE R -01WYLIE R 5; 235703-235707	PENELEC	PENELEC	585	-44.7	0	0	585	44.7
01WYLIE R 235703 APS 01WYLIE R 235707 APS	323	01WYLIE R -01WYLIE R 6	APS	APS	0	0	8	0.54	8	0.54

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06CLIFTY 248000 AEP 7TRIMBLE 324114 LKE	338	243208-243209 05JEFRSO -05ROCKPT 1	AEP	LKE	0	0	168	51.09	168	51.09
7DAVIESS 324104 LKE 7COLEMAN 340563 BREC	338	243208-243209 05JEFRSO -05ROCKPT 1	LKE	BREC	0	0	12	1.17	12	1.17
KINCAID ; B270796 COMED 7AUSTIN 347955 AMIL	345	270797-347945 KINCAID ; R-7PANA 1	COMED	AMIL	18	-0.18	0	0	18	0.18
5HNB1 344697 AMMO 5PALMYRA 345437 AMMO	346	345230-345992 7MONTGMRY -7SPENCER 1	AMMO	AMMO	0	0	376	62	376	62
5CYRENE 300595 AECIZ 5SPIKE S 345498 AMMO	346	345230-345992 7MONTGMRY -7SPENCER 1	AECIZ	AMMO	0	0	1	0.05	1	0.05
5THMHIL 300120 AECIZ 5ADAIR1 344004 AMMO	346	345230-345992 7MONTGMRY -7SPENCER 1	AECIZ	AMMO	4	-0.55	33	1.76	37	2.31
4MIDWAY E 348730 AMIL 4SCHRAMCY TP348788 AMIL	347	346895-347945 7COFFEEEN -7PANA 1	AMIL	AMIL	0	0	4	0.34	4	0.34
5FREDTN 300079 AECIZ 5FREDTOWN 344586 AMMO	348	344974-345773 7LUTESVIL -7ST FRANC 1	AECIZ	AMMO	0	0	3	4.17	3	4.17
5MORILTON.EI337921 EES-ARK 5GLEASON 337927 EES-ARK	352	337922-337937 8P.HILL% -8MAYFLOWER% 1	EES-ARK	EES-ARK	1451	-555.69	0	0	1451	555.69
05FALL C 243292 AEP 08NEWCAS 249810 DUK-IN	359	243222-243292 05FALL C -05FALL C 2	AEP	DUK-IN	381	-39.39	0	0	381	39.39
5MONTCT 300099 AECIZ 5WLMSBG 300523 AECIZ	362	345088-345230 7MCCREDIE -7MONTGMRY 1; 345088-	AECIZ	AECIZ	0	0	425	24.98	425	24.98
BYRON 5 613070 SMP GRE-PL VLLY5615307 GRE	376	345408 7MCCREDIE -7OVERTON 1	SMP	GRE	0	0	767	22.4	767	22.4
HENRYCO5 631106 ALTW DENMARK5 631108 ALTW	383	613060-615306 BYRON 3 -GRE-PL VLLY31	ALTW	ALTW	186	-56.65	0	0	186	56.65
M-TOWN 7 631004 ALTW BLRSTWN7 631013 ALTW	383	635730-636400 MNTZUMA3 -HILLS 3 1	ALTW	ALTW	1	-0.13	0	0	1	0.13
WAPELLO5 631110 ALTW JEFF 5 631111 ALTW	383	635730-636400 MNTZUMA3 -HILLS 3 1	ALTW	ALTW	870	-393.69	0	0	870	393.69
OTTUMWA3 631143 ALTW MNTZUMA3 635730 MEC	383	635730-636400 MNTZUMA3 -HILLS 3 1	ALTW	MEC	0	0	6	0.22	6	0.22
TRAER 5 631083 ALTW DYSART 5 631086 ALTW	383	635730-636400 MNTZUMA3 -HILLS 3 1	ALTW	ALTW	1	-0.25	0	0	1	0.25
PARNEL 5 631085 ALTW POWESHKS 631113 ALTW	383	635730-636400 MNTZUMA3 -HILLS 3 1	ALTW	ALTW	0	0	9	2.54	9	2.54
KELLOGG5 635221 MEC LEEDS 5 635226 MEC	384	635200-652564 RAUN 3 -SIOUXCY3 1	MEC	MEC	3	-1.31	0	0	3	1.31
POWESHK5 631113 ALTW REASNOR5 631117 ALTW	387	635680-635730 BONDRNT3 -MNTZUMA3 1	ALTW	ALTW	0	0	517	41.86	517	41.86
REASNOR5 631117 ALTW RISING SUN 5635675 MEC	387	635680-635730 BONDRNT3 -MNTZUMA3 1	ALTW	MEC	0	0	72	12.66	72	12.66
FRANKLN5 636230 MEC WALL LK5 636235 MEC	387	635680-635730 BONDRNT3 -MNTZUMA3 1	MEC	MEC	0	0	7	0.58	7	0.58
WEBSTER5 636001 MEC WRIGHT 5 636050 MEC	387	635680-635730 BONDRNT3 -MNTZUMA3 1	MEC	MEC	4	-0.69	0	0	4	0.69
RAUN 3 635200 MEC HIGHLND 3 635400 MEC	388	631138-635368 LAKEFLD3 -OBRIEN 3 1	MEC	MEC	0	0	630	15.53	630	15.53
LAKEFLD L1 5631041 ALTW DKS_N CO5 631124 ALTW	388	631138-635368 LAKEFLD3 -OBRIEN 3 1	ALTW	ALTW	0	0	78	0.37	78	0.37
PT BCH3 699211 WEC KEWAUNEE 699630 WPS	397	694022-699359 FOXRIVER B1 -N APPLETON 1	WEC	WPS	2	-0.11	0	0	2	0.11
BLUEETA5 602003 NSP HUNTLEY5 631045 ALTW	413	601029-631138 LKFLDXL3 -LAKEFLD3 1	NSP	ALTW	0	0	61	0.98	61	0.98
QUAD 1 3-11 270864 COMED ROCK CK3 631141 ALTW	414	270866-636610 QUAD 6-7 -SUB 91 3 1	COMED	ALTW	37	-2.4	0	0	37	2.4
NFL 138 699175 ALTE AVIATION 699677 WPS	415	694072-699669 SFL 345 B4 -FTZGERLD 1; 699359-699669 N	ALTE	WPS	29	-0.9	0	0	29	0.9
BLUMND6 698865 WEC BUTLER 699268 WEC	422	APPLETON -FTZGERLD 1	WEC	WEC	1	-0.1	34	4.54	35	4.64
ACEC BADGERW698840 ALTE PETENWEL 699808 WPS	430	699253-699329 ARCADN1 -GRANVL1 1	ALTE	WPS	0	0	586	83.42	586	83.42
17WOLF_LAKE 255190 NIPS STATELINE; R272503 COMED	434	601028-694003 EAU CL 3 -ARPIN B4 1	NIPS	COMED	0	0	5	0.16	5	0.16
7RUSH 1 345667 AMMO 7RUSH 2 345668 AMMO	439	255111-270674 17SHEFFIELD -BURNHAM ; B1	AMMO	AMMO	2	-0.03	0	0	2	0.03
5RENSHAW 350218 SIPC 5MARIONCT 350225 SIPC	439	346992-360002 7E W FKFT -7SHAWNNEE FP 1	SIPC	SIPC	0	0	12	11.55	12	11.55
NW_BELOIT 698058 ALTE PAD 138 699059 ALTE	449	346992-360002 7E W FKFT -7SHAWNNEE FP 1	ALTE	ALTE	0	0	102	16.19	102	16.19
08BLOOM 249605 DUK-IN 08DENOIS 249613 DUK-IN	452	699059-699141 PAD 138 -TOWNLINE 1	DUK-IN	DUK-IN	6	-9.17	0	0	6	9.17
07RATTAP 248428 HE 16PETE 254638 IPL	453	249502-249506 08BEDFRD -08COLMBU 1	HE	IPL	0	0	434	70.35	434	70.35
08CLOVDL 249708 DUK-IN 08STILVL 249855 DUK-IN	454	248773-248792 07MEROM5 -07WORTHN 1	DUK-IN	DUK-IN	9	-19.79	0	0	9	19.79
3ELLIOTT+ 337062 EES-MS 35.GRENADA! 337063 EES-MS	457	249505-249516 08CAYUGA -08NUCOR 1	EES-MS	EES-MS	0	0	15	4.46	15	4.46
08FAIRVV 249723 DUK-IN 4GHENT 324253 LKE	460	337009-337010 8MCADAMS% -8WOLFCREEK% 1	DUK-IN	LKE	0	0	1	0.38	1	0.38
19PONTC 264635 DECO 19BAUER 265075 DECO	463	249501-324105 08BATESV -7GHENT 1	DECO	DECO	0	0	10	2.99	10	2.99
		256026-264580 18THETFD -19JEWEL 1								

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
08FVPTS2 249677 DUK-IN 16FVE_T 254591 IPL	489	249513-249529 08HORTVL -08WHITST 1	DUK-IN	IPL	0	0	2	1.02	2	1.02
BONDRNT3 635680 MEC MNTZUMA3 635730 MEC	510	631142-631148 ARNOLD 3 -MORGANV3 1	MEC	MEC	198	-5.4	0	0	198	5.4
ARNOLD 5 631088 ALTW DWTNWN IND5 631188 ALTW	510	631142-631148 ARNOLD 3 -MORGANV3 1	ALTW	ALTW	278	-63.07	0	0	278	63.07
NIW 5 631036 ALTW COLBY5 631202 ALTW	513	631139-631144 HAZLTON3 -MITCHLCO3 1	ALTW	ALTW	1	-0.06	0	0	1	0.06
19STCPP 264656 DECO 19STCPP 264830 DECO	550	160050-264656 LAMBTON_L4D -19STCPP 1	DECO	DECO	21	0	588	0	609	0
19BUNCE1 264536 DECO 19FITZ 265228 DECO	550	160050-264656 LAMBTON_L4D -19STCPP 1	DECO	DECO	80	0	582	0	662	0
GRANVL 4 699331 WEC TOSA-W 699492 WEC	553	699268-699327 BUTLER -GRANVL 5 1	WEC	WEC	4	-4.1	0	0	4	4.1
CYPRESS 693580 WEC FORST JT B5 694018 WEC	557	698870-699865 GRANVL2 -SEC 1	WEC	WEC	0	0	9	3.17	9	3.17
CYPRESS 693580 WEC ARCADN3 699247 WEC	557	698870-699865 GRANVL2 -SEC 1	WEC	WEC	16	-6.57	0	0	16	6.57
CEDRSAUK B4 694007 WEC EDG BUS2 694009 ALTE	557	698870-699865 GRANVL2 -SEC 1	WEC	ALTE	0	0	193	33.5	193	33.5
ELKHT L 699299 WEC FOREST J 699533 WEC	557	698870-699865 GRANVL2 -SEC 1	WEC	WEC	0	0	393	119.85	393	119.85
AVOCA 5 504000 SPP-C EROGERS5 506931 SPP-C	561	506935-549984 FLINTCR7 -BROOKLINE 71	SPP-C	SPP-C	0	0	145	19.02	145	19.02
BEAVER 5 505480 SPP-C EUREKA 5 506932 SPP-C	561	506935-549984 FLINTCR7 -BROOKLINE 71	SPP-C	SPP-C	52	-12.52	0	0	52	12.52
7BLACKBERRY 300739 AECIZ 7JASPER 300949 AECIZ	561	506935-549984 FLINTCR7 -BROOKLINE 71	AECIZ	AECIZ	140	-27.64	0	0	140	27.64
SPRGFLD5 505492 SPP-C LAR382 5 547479 EDE	561	506935-549984 FLINTCR7 -BROOKLINE 71	SPP-C	EDE	0	0	1	0.12	1	0.12
3PATMOS.W# 338875 EES-ARK FULTON 3 503912 SPP-C	581	337376-508809 7SAREPTA% -LONGWD 7 1	EES-ARK	SPP-C	0	0	2040	254.5	2040	254.5
WOODRNG7 514715 SPP-C MATHWSN7 515497 SPP-C	583	514880-514881 NORTWST7 -SPRNGCK7 1	SPP-C	SPP-C	1	-0.01	0	0	1	0.01
TAHLQH 5 512655 SPP-C HWY59 5 515347 SPP-C	590	515224-515302 MUSKOG7 -FTSMITH7 1	SPP-C	SPP-C	136	-43.7	0	0	136	43.7
LONEOAK4 510897 SPP-C ENOWILT4 510944 SPP-C	592	510907-510911 PITTSB-7 -VALIANT7 1	SPP-C	SPP-C	19	-12.75	0	0	19	12.75
TUPELO 4 505600 SPP-C TUPLOTP4 521071 SPP-C	592	510907-510911 PITTSB-7 -VALIANT7 1	SPP-C	SPP-C	0	0	2094	835.03	2094	835.03
CARNEG-4 511445 SPP-C HOB-JCT4 511463 SPP-C	597	511456-525832 O.K.U.-7 -TUCO_INT 71	SPP-C	SPP-C	0	0	52	1.99	52	1.99
TEKAMAH5 640377 NPPD S1226 5 646226 OPPD	599	635200-645451 RAUN 3 -S3451 3 1	NPPD	OPPD	0	0	2	0.17	2	0.17
RAUN 5 635201 MEC TEKAMAH5 640377 NPPD	599	635200-645451 RAUN 3 -S3451 3 1	MEC	NPPD	59	-11.14	0	0	59	11.14
MIDLNTN4 514804 SPP-C PECKHMT4 515381 SPP-C	608	515543-532798 RENFROW7 -VIOLA 7 1	SPP-C	SPP-C	0	0	1	0.03	1	0.03
5MORGAN 300101 AECIZ STOCKTN5 505498 SPP-C	612	300045-549984 7MORGAN -BROOKLINE 71	AECIZ	SPP-C	0	0	2	0.13	2	0.13
S3456 3 645456 OPPD S3458 3 645458 OPPD	625	645455-645740 S3455 3 -S3740 3 1	OPPD	OPPD	0	0	173	19.9	173	19.9
COOPER 3 640139 NPPD S3458 3 645458 OPPD	626	640139-640277 COOPER 3 -MOORE 3 1	NPPD	OPPD	8	-0.43	0	0	8	0.43
MOORE 3 640277 NPPD NW68HOLDRG3 650114 LES	627	650185-650189 WAGENER 3 -103&ROKEBY3 1	NPPD	LES	198	-17.78	0	0	198	17.78
3SRSLUCE 388811 SMEPA 3WADE S53 388816 SE	630	335836-388700 8MCKNIGHT% -8DANIEL8 1	SMEPA	SE	0	0	1	0.46	1	0.46
5NEWPORT! 338151 EES-ARK 5NEWPORT-E# 338733 EES-ARK	631	338145-338156 8ISES% -8JB-EHV% 1	EES-ARK	EES-ARK	15	-3.63	0	0	15	3.63
3ALTO_LA 337331 EES-LA 3SWARTZ! 337390 EES-LA	632	336830-337427 8BXTRWILSON%-8PERRYVILLE%1	EES-LA	EES-LA	0	0	19	10.82	19	10.82
3CARSON 337450 EES-LA 3DELHI_RX 337453 EES-LA	632	336830-337427 8BXTRWILSON%-8PERRYVILLE%1	EES-LA	EES-LA	104	-53.93	0	0	104	53.93
3NATCHEZSES%336500 EES-MS 3RED_GUM! 337327 EES-LA	632	336830-337427 8BXTRWILSON%-8PERRYVILLE%1	EES-MS	EES-LA	0	0	10	0.87	10	0.87
6RUSSEL 339100 SE 6LEXINGTON 380104 SE	636	380003-380011 8NORCROSS -8S HALL 1; 381341-383000	SE	SE	13	-0.76	0	0	13	0.76
6RSR2 371308 NC-SC 6VOGTLE 380115 SE	640	6NANCY HART -6HW ENERGY 1	NC-SC	SE	0	0	4	1.59	4	1.59
3MARION115 T304632 NC-SC 3DILLON TAP 304653 NC-SC	645	306337-309025 8NEWPORT -8RICHMNRTRT Z	NC-SC	NC-SC	1	-4.45	0	0	1	4.45
3PISGAH 304750 NC-SC PISGAH 306190 NC-SC	646	304750-306190 3PISGAH -PISGAH 1	NC-SC	NC-SC	9	-1.34	0	0	9	1.34
6NEWPORT 306333 NC-SC 6VCS1_2 371112 NC-SC	648	312716-312727 6NEWBER -6GWD CO 1	NC-SC	NC-SC	0	0	2535	595.93	2535	595.93
HIGH RCK 339003 NC-SC TUCKERTN 339005 NC-SC	649	306850-306848 8PL GRDN -6PL GRDN 5	NC-SC	NC-SC	0	0	240	130.94	240	130.94
6SUMTER230 T304700 NC-SC 6WATEREE1 370101 NC-SC	663	304677-312714 6KINGSTR230T-6KNGSTRE 1	NC-SC	NC-SC	0	0	2	0.12	2	0.12
5KNOX TN 360458 TVAZ 5DOUGLAS HP 360465 TVAZ	668	360097-360102 8VOLUNTEER -8PHIPPS B NP1	TVAZ	TVAZ	38	-70.23	0	0	38	70.23
5BRTAP 340624 BREC 5PARADISE FP360043 TVAZ	668	360097-360102 8VOLUNTEER -8PHIPPS B NP1	BREC	TVAZ	0	0	2	0.01	2	0.01
8OCONEE 306008 NC-SC 8S HALL 380011 SE	670	380021-382499 8MOSTELLER -8CONASAUGA 1	NC-SC	SE	79	-4.19	0	0	79	4.19

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5ROBBINS 308485 NC-SC 5SANTEETLAH 375031 TVAZ	670	380021-382499 8MOSTELLER -8CONASAUGA 1	NC-SC	TVAZ	0	0	84	28.72	84	28.72
5ALBERTVILLE360283 TVAZ 5ATTALLA5 384332 SE	670	380021-382499 8MOSTELLER -8CONASAUGA 1	TVAZ	SE	367	-103.88	0	0	367	103.88
8VOLUNTEER 360097 TVAZ 8PHIPPS B NP360102 TVAZ	670	380021-382499 8MOSTELLER -8CONASAUGA 1	TVAZ	TVAZ	29	-14.77	0	0	29	14.77
MIRRO 698600 WPS N.EAST 698601 WPS	679	698590-698598 SHOTO -MANRAP 1	WPS	WPS	2	0	0	0	2	0
		255129-255173 17GOODLAND -17REYNOLDS 1; 255129-								
17GOODLAND 255129 NIPS 17GOODLAND 255319 NIPS	681	255319 17GOODLAND -17GOODLAND 2	NIPS	NIPS	965	-51.06	0	0	965	51.06
MADELVL8 605063 WAUE MADLIAI8 630090 ALTW	686	630096-631045 HUNTLEY N8 -HUNTLEY5 1	WAUE	ALTW	1	-0.03	0	0	1	0.03
BNE JCT5 631079 ALTW FT.DODG5 636020 MEC	688	635600-636010 GRIMES 3 -LEHIGH 3 1	ALTW	MEC	0	0	253	40.7	253	40.7
FRANKLN5 636230 MEC WALL LK5 636235 MEC	688	635600-636010 GRIMES 3 -LEHIGH 3 1	MEC	MEC	0	0	172	6.58	172	6.58
HAYWARD J1 8630128 ALTW GLENWTH8 680542 DPC	693	631044-631174 HAYWARD L2 5-GLENWRTH5 1	ALTW	DPC	0	0	4	0.07	4	0.07
WAPELLO5 631110 ALTW OTTUMWA5 631115 ALTW	695	631110-631115 WAPELLO5 -OTTUMWA5 1	ALTW	ALTW	0	0	1	0.03	1	0.03
		254523-254601 16GUION -16GUION S; 254523-254532								
16GUION 254523 IPL 16GUION 254601 IPL	697	16GUION -16ROCKVL 0	IPL	IPL	274	-32.46	0	0	274	32.46
TRIBOJI J1 8630023 ALTW WAHPETN8 630474 ALTW	713	631183-656570 CAYLER5 -WISDOM5 1	ALTW	ALTW	238	-56.05	0	0	238	56.05
		270670-270671 BRAIDWOOD; B-BRAIDWOOD; RZ; 270670-								
BRAIDWOOD; B270670 COMED E FRANKFO; B270728 COMED	721	270710 BRAIDWOOD; B-DAVIS CRK; B1; 270710-275174 DAVIS CRK; B-DAVIS CRK;3M1	COMED	COMED	34	-1.69	0	0	34	1.69
LOCKPORT ; B270810 COMED KENDALL ;BU274702 COMED	726	270811-274703 LOCKPORT ; R-KENDALL ;RU1	COMED	COMED	0	0	3	0.11	3	0.11
4LTV STL NTP348919 AMIL 4PRINCETN TP348921 AMIL	727	271838-348923 KEWANEE ;13-4KEWANEE N Z	AMIL	AMIL	0	0	2320	214.79	2320	214.79
4KEWANEE STP348924 AMIL 4KEWANEE S 348974 AMIL	727	271838-348923 KEWANEE ;13-4KEWANEE N Z	AMIL	AMIL	0	0	7	0.62	7	0.62
		270717-270853 DRESDEN ; R-PONTIAC ; R1; 275210-272261								
LORETTO ; B270704 COMED WILTON ; B270926 COMED	728	PONTIAC ;2M-PONTIAC ; R1; 275310-275210 PONTIAC ;2C-PONTIAC ;2M1	COMED	COMED	215	-15.87	0	0	215	15.87
MAZON ; R271987 COMED OGLESBY ; T272189 COMED	729	271844-271908 KICKAPOO ; B-LASCO STA; B1	COMED	COMED	0	0	691	189.08	691	189.08
BONDRNT3 635680 MEC MNTZUMA3 635730 MEC	730	631139-636199 HAZLTON3 -BLACKHAWK 3 1	MEC	MEC	48	-1.61	0	0	48	1.61
WABACO 5 681532 DPC ROCHSTR5 681537 DPC	731	601039-601044 NR0C 3 -BRIGGS RD 3 1	DPC	DPC	0	0	2581	679.29	2581	679.29
HAZLTON3 631139 ALTW MITCHLCO3 631144 ALTW	732	631199-636199 KILLDEER3 -BLACKHAWK 3 1	ALTW	ALTW	0	0	1	0.01	1	0.01
NIW 5 631036 ALTW COLBY5 631202 ALTW	732	631199-636199 KILLDEER3 -BLACKHAWK 3 1	ALTW	ALTW	0	0	158	3.25	158	3.25
5MATANZAS 324173 LKE 5WLSNBR 340553 BREC	734	324144-340553 5GR RVR -5WLSNBR 1	LKE	BREC	0	0	3220	382.9	3220	382.9
HAZLTON3 631139 ALTW ARNOLD 3 631142 ALTW	735	631139-631191 HAZLTON3 -HCKRYCK3 1	ALTW	ALTW	29	-0.98	0	0	29	0.98
HAZLTON L2 5631051 ALTW DUNDEE 5 631101 ALTW	735	631139-631191 HAZLTON3 -HCKRYCK3 1	ALTW	ALTW	1	-0.01	0	0	1	0.01
MT VERN5 631073 ALTW WYOMING5 631099 ALTW	735	631139-631191 HAZLTON3 -HCKRYCK3 1	ALTW	ALTW	13	-4.11	0	0	13	4.11
CHERRY VA; B271192 COMED CHERRY VA;2M275166 COMED	738	270918-275231 WEMPLETOW; B-WEMPLETOW;4M1	COMED	COMED	0	0	29	40.26	29	40.26
TOLLWAY ; B 270900 COMED TOLLWAY ;3M275225 COMED	739	272486-272740 S ELGIN ;BT-WAYNE ; B1	COMED	COMED	283	-10.08	0	0	283	10.08
TOLLWAY ; B 270900 COMED TOLLWAY ;3M275225 COMED	740	272487-272741 S ELGIN ;RT-WAYNE ; R1	COMED	COMED	105	-1.74	0	0	105	1.74
17AETNA 255115 NIPS 17LK_GEORGE 255149 NIPS	743	255149-255155 17LK_GEORGE -17MILLER 1	NIPS	NIPS	0	0	79	9.49	79	9.49
5RUSSELVL.S 337904 EES-ARK DARDANE5 505508 SPP-C	745	337909-515305 8ANO% -FTSMITH8 1	EES-ARK	SPP-C	1	-0.02	10	0.29	11	0.31
5RUSSELVL.E!337905 EES-ARK 5RUSSELVL.N 337906 EES-ARK	745	337909-515305 8ANO% -FTSMITH8 1	EES-ARK	EES-ARK	0	0	1	0.04	1	0.04
DARDANE5 505508 SPP-C CLARKSV5 505514 SPP-C	745	337909-515305 8ANO% -FTSMITH8 1	SPP-C	SPP-C	0	0	3	0.27	3	0.27
4CHAMPAGNE! 335455 EES-LA PLAISAN4 500720 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	EES-LA	CLEC	0	0	155	11	155	11

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COUGH 4 500230 CLEC MANUEL 4 500540 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	CLEC	CLEC	23	-0.83	0	0	23	0.83
COUGH 4 500230 CLEC PLAISAN4 500720 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	CLEC	CLEC	91	-11.29	0	0	91	11.29
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	747	500190-500880 COCODR 6 -VILPLT 6 1	EES-LA	EES-LA	10	-0.01	0	0	10	0.01
4RICHARD% 335366 LAGN EUNICE 4 500300 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	LAGN	CLEC	0	0	50	1.2	50	1.2
6BOGALUS! 336136 EES-LA BARKERS 6 500025 CLEC	749	335836-336562 8MCKNIGHT% -8FRANKLIN% 1	EES-LA	CLEC	3	-0.17	0	0	3	0.17
8BOGALUS 336130 EES-LA 6ADMSCRK% 336131 EES-LA	749	335836-336562 8MCKNIGHT% -8FRANKLIN% 1	EES-LA	EES-LA	452	-29.34	0	0	452	29.34
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	749	335836-336562 8MCKNIGHT% -8FRANKLIN% 1	EES-LA	EES-LA	0	0	135	1.67	135	1.67
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	750	335368-335500 8WELLS% -8WEBRE% 1	EES-LA	EES-LA	0	0	173	1.74	173	1.74
5HORN LAKE% 337181 EES-MS 5ALLEN FP 360174 TVAZ	752	360023- 98868 8FREEPORT TN-YBUS1130 1	EES-MS	TVAZ	1162	-743.91	0	0	1162	743.91
3CABOT 338006 EES-ARK 3HOLND BTM! 338016 EES-ARK	759	338140-338145 8HOLND BTM% -8ISES% 1	EES-ARK	EES-ARK	0	0	5	1.63	5	1.63
8KEO% 337957 EES-ARK 8W.MEMPHIS% 338162 EES-ARK	767	338187-338188 8DELL% -8SANS SOUCI%1	EES-ARK	EES-ARK	15	-0.73	0	0	15	0.73
3HS EHV-E! 337740 EES-ARK 8HS EHV% 337753 EES-ARK	778	337753-337685 8HS EHV% -3HS EHV-W! 1	EES-ARK	EES-ARK	0	0	1	0.89	1	0.89
3MENDENHALL 336762 EES-MS 3STAR 336763 EES-MS	781	336130-336562 8BOGALUS -8FRANKLIN% 1	EES-MS	EES-MS	0	0	103	7.83	103	7.83
5STEELE! 338194 EES-ARK 5BLYTHVL.N#%338804 EES-ARK	790	301406-338187 8WNEWMADRID -8DELL% 1	EES-ARK	EES-ARK	4	-0.24	0	0	4	0.24
3ELLIOTT+ 337062 EES-MS 3S.GRENADA! 337063 EES-MS	791	337000-337011 6MCADAMS% -6ATTALA 1	EES-MS	EES-MS	0	0	8	2.69	8	2.69
3STANDARD! 337340 EES-LA 3WINNFIELD! 337343 EES-LA	793	337420-337561 8STERLING% -8EL DORADO% 1	EES-LA	EES-LA	0	0	1408	39.34	1408	39.34
3REED% 337600 EES-ARK 3DUMAS% 337602 EES-ARK	793	337420-337561 8STERLING% -8EL DORADO% 1	EES-ARK	EES-ARK	0	0	304	44.97	304	44.97
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	793	337420-337561 8STERLING% -8EL DORADO% 1	EES-LA	EES-LA	23	-0.04	0	0	23	0.04
6CANTON 336866 EES-MS 6PICKENS! 337015 EES-MS	800	336945-337009 8LAKEOVER% -8MCADAMS% 1	EES-MS	EES-MS	0	0	4	0.31	4	0.31
3BEAVER_CRK!337310 EES-LA BC PST 4 500070 CLEC	817	337343-337341 3WINNFIELD! -6WINNFIELD! 1	EES-LA	CLEC	0	0	139	0.23	139	0.23
8DELL% 338187 EES-ARK 8SANS SOUCI%338188 EES-ARK	828	338162-360075 8W.MEMPHIS% -8BHAM STEEL 1	EES-ARK	EES-ARK	53	-0.95	0	0	53	0.95
8SANS SOUCI%338188 EES-ARK 8DRIVER% 338198 EES-ARK	828	338162-360075 8W.MEMPHIS% -8BHAM STEEL 1	EES-ARK	EES-ARK	851	-29.52	0	0	851	29.52
6ESSO% 335642 EES-LA 6DELMONT 335664 EES-LA	831	335645-335655 6EXXON% -6DOWNTOWN! 1	EES-LA	EES-LA	5	-3.13	0	0	5	3.13
4MARSHALL 335088 EES-LA 4MOSSVPLT! 335126 EES-LA	841	334325-335188 8HARTBRG% -8RHODES% 1	EES-LA	EES-LA	0	0	3	0.16	3	0.16
6CHISHOLM% 334429 EES-TX 6SABINE% 334434 EES-TX	841	334325-335188 8HARTBRG% -8RHODES% 1	EES-TX	EES-TX	61	-2.23	0	0	61	2.23
3NATCHEZSES%336500 EES-MS 3RED_GUM! 337327 EES-LA	854	337319-337320 3S_FERDAY_TP-3PLANTATION!1	EES-MS	EES-LA	3	-1.04	0	0	3	1.04
6CROSSROADS!337100 EES-MS 3CLARKMUN 500164 CLEC	867	337100-337107 6CROSSROADS!-6MOONLAKE% 1	EES-MS	CLEC	35	-3.88	0	0	35	3.88
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	871	337304-500200 6MONTGOMERY!-COLFAX 6 1	EES-LA	EES-LA	0	0	89	0.84	89	0.84
8MABELVALE% 337808 EES-ARK 8WRIGHTSVLE%337860 EES-ARK	880	337651-337957 8WHT BLUFF% -8KEO% 1	EES-ARK	EES-ARK	25	-0.76	0	0	25	0.76
3NATCHEZSES%336500 EES-MS 3RED_GUM! 337327 EES-LA	897	337320-337321 3PLANTATION!-3VIDALIA_LA 1	EES-MS	EES-LA	0	0	1503	143.56	1503	143.56
3S_FERDAY_TP337319 EES-LA 3PLANTATION!337320 EES-LA	897	337320-337321 3PLANTATION!-3VIDALIA_LA 1	EES-LA	EES-LA	0	0	588	70.4	588	70.4

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8FRANKLIN% 336562 EES-MS 8R.BRASWELL%336839 EES-MS	913	336562-336820 8FRANKLIN% -8GGNS% 1	EES-MS	EES-MS	0	0	17	0.58	17	0.58
6ESSO% 335642 EES-LA 6DELMONT 335664 EES-LA	914	335500-336010 8WEBRE% -8BYULABUTTE%1	EES-LA	EES-LA	5	-3.35	0	0	5	3.35
3MENDENHALL 336762 EES-MS 3STAR 336763 EES-MS	916	360654-360688 8CHOCTAW MS -8CLAY 1	EES-MS	EES-MS	0	0	1148	133.95	1148	133.95
3GREENWOOD+ 337023 EES-MS 3GREENWOOD! 337054 EES-MS	916	360654-360688 8CHOCTAW MS -8CLAY 1	EES-MS	EES-MS	29	-33.94	0	0	29	33.94
5BATESVILLE 360214 TVAZ 5TALLHACH IP361402 TVAZ	916	360654-360688 8CHOCTAW MS -8CLAY 1	TVAZ	TVAZ	154	-65.62	0	0	154	65.62
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	934	335089-335200 4HOLLYWOOD! -4NELSON% 1	EES-LA	EES-LA	0	0	2	0.03	2	0.03
4SPLENDRI 334118 EES-TX 4JACINTO% 334208 EES-TX	946	334203-334204 6CHPTSRI -6CHINA% 1	EES-TX	EES-TX	0	0	6	5.04	6	5.04
5BATESVL 318301 SMEPA 5BATESVILLE 360214 TVAZ	978	318301-360214 5BATESVL -5BATESVILLE 2	SMEPA	TVAZ	288	-23.04	0	0	288	23.04
YBUS1130 98868 TVAZ 8FREEPOR TN360023 TVA	981	360023-360025 8FREEPOR TN-8CORDOVA TN 1	TVAZ	TVA	0	0	223	18.06	223	18.06
4MARIES 345024 AMMO 5OLDMARS 300053 AECIZ	987	300057-344532 5BARNET -5ELDON 1	AMMO	AECIZ	0	0	5	2.58	5	2.58
3LYNCH-W! 337949 EES-ARK 3NLR GALLOWY338489 EES-ARK	1004	337957-338162 8KEO% -8W.MEMPHIS% 1	EES-ARK	EES-ARK	5	-13.28	0	0	5	13.28
5SEQUOYAH NP360082 TVAZ 5CONCORD TN 360413 TVAZ	1007	360081-360662 8SEQUOYAH NP-8BRADLEY TN 1	TVAZ	TVAZ	1736	-571.24	0	0	1736	571.24
3WADE SS3 388816 SE 3HARLESTN 388832 SE	1010	384642-388702 6BIG CK 6 -6DANIEL6 1	SE	SE	74	-66.6	0	0	74	66.6
5WEST POINT 360036 TVAZ 5MONTPLER TP361738 TVAZ	1013	360035-360688 8WEST POINT -8CLAY Z	TVAZ	TVAZ	0	0	1	0.15	1	0.15
5CLAY 360689 TVAZ 5ABERD MS TP361121 TVAZ	1013	360035-360688 8WEST POINT -8CLAY Z	TVAZ	TVAZ	772	-283.69	0	0	772	283.69
MARYVLE5 541251 MPS CLRND 5 635034 MEC	1025	300097-652560 5MARYVL -CRESTON5 1	MPS	MEC	4	-1.24	1	0.09	5	1.33
YBUS1417 98581 SPP-C AFTON 5 512632 GRDA	1037	512631-512632 MIAMI 5 -AFTON 5 1	SPP-C	GRDA	0	0	28	14.59	28	14.59
7OVERTON 345408 AMMO 5OVERTON 345409 AMMO	1056	345088-345408 7MCCREDIE -7OVERTON 1	AMMO	AMMO	551	-55.37	0	0	551	55.37
5THMHIL 300120 AECIZ 5ADAIR1 344004 AMMO	1058	345435-345992 7MAYWOOD -7SPENCER 1	AECIZ	AMMO	0	0	11	0.85	11	0.85
5CYRENE 300595 AECIZ 5PIKE S 345498 AMMO	1058	345435-345992 7MAYWOOD -7SPENCER 1	AECIZ	AMMO	0	0	101	7.73	101	7.73
6N SELMA6 384489 SE 6HARRIS SS 385500 SE	1070	384375-384374 8S.BESS 8 -6S.BESS 6 1	SE	SE	0	0	22	1.37	22	1.37
8WID CRK FP 360065 TVAZ 8SEQUOYAH NP360081 TVAZ	1072	360050-360052 8MAURY TN -8BR FERRY NP1	TVAZ	TVAZ	1	-0.09	0	0	1	0.09
YBUS672 99326 DUK-IN 08CAYUGA 249608 DEI	1074	249505-249608 08CAYUGA -08CAYUGA 1	DUK-IN	DEI	16	-24.61	0	0	16	24.61
YBUS672 99326 DUK-IN 08CAYUGA 249505 DEI	1074	249505-249608 08CAYUGA -08CAYUGA 1	DUK-IN	DEI	0	0	6	5.04	6	5.04
YBUS737 99261 IPL 16PETE 254529 IPL	1075	254529- 99260 16PETE -YBUS738 W	IPL	IPL	0	0	4	0.56	4	0.56
LAMBTON_L4D 160050 IESO 19STCPP 264656 DECO	1077	160065-264830 LAMBTON_L51D-19STCPP 1	IESO	DECO	985	0	198	0	1183	0
MOSES E 147839 NY ST_LAWR_L33P155072 IESO	1078	147839-155073 MOSES E -ST_LAWR_L34P1	NY	IESO	0	0	7168	20.35	7168	20.35
MOSES E 147839 NY ST_LAWR_L34P155073 IESO	1079	147839-155072 MOSES E -ST_LAWR_L33P1	NY	IESO	0	0	7293	26.9	7293	26.9
YBUS2578 97420 BEPC LELANDO3 659105 WAPA	1081	659105- 97421 LELANDO3 -YBUS2577 1	BEPC	WAPA	0	0	1623	103.61	1623	103.61
YBUS1353 98645 SPP-C CATSAGR5 512638 AEPW	1082	512638- 98646 CATSAGR5 -YBUS1352 1	SPP-C	AEPW	0	0	399	56.15	399	56.15
YBUS1409 98589 SPP-C SHAM 3WT 512107 AEPW	1092	511541-511557 SWEETWT6 -CHISHOLM6 1	SPP-C	AEPW	0	0	484	163	484	163
16SUNNYS 254535 IPL 16SUNNYS 254667 IPL	1095	249529-254523 08WHITST -16GUION 1	IPL	IPL	1	-0.09	0	0	1	0.09
05FALL C 243222 AEP 16SUNNYS 254535 IPL	1095	249529-254523 08WHITST -16GUION 1	AEP	IPL	10	-0.73	0	0	10	0.73
08NOBSLV 249626 DUK-IN 08DURBIN 249637 DUK-IN	1095	249529-254523 08WHITST -16GUION 1	DUK-IN	DUK-IN	1	-0.32	0	0	1	0.32
02LALLENDORF241901 DECO 19MON12 264612 FE-ATSI	1099	238530-256583 02ALLEN -18MOROCCO 1; 264594-264613	DECO	FE-ATSI	0	0	390	44.7	390	44.7
19BAXTR 264519 DECO 19DIG 264562 DECO	1101	19LULU -19MON34 1	DECO	DECO	0	0	2064	68.72	2064	68.72
3GW KING TAP304102 NC-SC 3KERR 314702 DOM	1103	264610-264616 19DIGTP -19NAVAR 1	NC-SC	DOM	0	0	12	1.99	12	1.99
GRE-STANTON4615901 GRE SQBUTTE4 657756 MPC	1117	304070-314697 6PERSON230 T-6HALIFAX 1	GRE	MPC	0	0	619	4.69	619	4.69
GRE-STANTON4615901 GRE SQBUTTE4 657756 MPC	1118	615600-615001 GRE-COAL CR4-GRE-COAL 41G1	GRE	MPC	0	0	195	1.33	195	1.33
		615600-615002 GRE-COAL CR4-GRE-COAL 42G1								

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
CENTER 4 657751 MPC SQBUTTE4 657756 MPC	1119	620358-620369 BUFFALO3 -JAMESTN3 1	MPC	MPC	0	0	6	0.04	6	0.04
HANKSON4 620327 OTP WAHPETN4 620329 OTP	1119	620358-620369 BUFFALO3 -JAMESTN3 1	OTP	OTP	608	-112.49	0	0	608	112.49
BISMARCK4 652426 WAUE MOUNDCITY 4 652499 WAUE	1122	652806-659424 FTTHOM1-LNX3-LELAND2-LNX31	WAUE	WAUE	0	0	16	0.55	16	0.55
5SANDBURG 348948 AMIL 4SANDBURG 348972 AMIL	1124	348944-636635 7SANDBURG -OAKGROV3 1	AMIL	AMIL	20	-2.65	0	0	20	2.65
GRE-JOHNJCT7616002 GRE ORTONVL7 620216 OTP	1125	601031-620417 BRKNGCO3 -BSSOUTH3 1	GRE	OTP	0	0	4	6.44	4	6.44
HANKSON4 620327 OTP WAHPETN4 620329 OTP	1125	601031-620417 BRKNGCO3 -BSSOUTH3 1	OTP	OTP	1	-0.06	0	0	1	0.06
BIGSTON4 620314 OTP BLAIR 4 652503 WAUE	1125	601031-620417 BRKNGCO3 -BSSOUTH3 1	OTP	WAUE	21	-0.36	0	0	21	0.36
TUCO_INT 6525830 SPP-C JONES 6526337 SPP-C	1129	525830-526161 TUCO_INT 6-CARLISLE 61	SPP-C	SPP-C	4	-0.12	0	0	4	0.12
NEOSHO 5 532937 WR RIV4525 547469 EDE	1130	532932-547476 LITCH 5 -ASB349 5 1	WR	EDE	23	-0.91	0	0	23	0.91
TWIN CH4 640386 NPPD SIOUXCY4 652565 WAUE	1133	635200-640226 RAUN 3 -HOSKINS3 1	NPPD	WAUE	0	0	928	434.35	928	434.35
CMRIVTP3 539652 SECI E-LIBER3 539672 SECI	1135	539640-539777 HAYNE3 -NLBITAP-B3 1	SECI	SECI	2770	-3.3	8	0.02	2778	3.32
YBUS1731 98267 SPP-C EDDY_NORTH 6527799 SPS	1137	527799-527800 EDDY_NORTH 6-EDDY_SOUTH 61	SPP-C	SPS	0	0	103	9.79	103	9.79
CENTENL5 543067 KCPL PAOLA 5 543069 KCPL	1141	543055-543066 SEOTTWA5 -S.OTTWA5 1	KCPL	KCPL	5	-0.26	0	0	5	0.26
SPRGFLD5 505492 SPP-C CLAY 5549970 SPRM	1142	300042-300045 7HUBEN -7MORGAN 1	SPP-C	SPRM	252	-79.84	0	0	252	79.84
17GOODLAND 255129 NIPS 17REYNOLDS 255173 NIPS	1145	255319-255352 17GOODLAND -17REMINGTON 9	NIPS	NIPS	1281	-79.26	0	0	1281	79.26
17GOODLAND 255129 NIPS 17REYNOLDS 255173 NIPS	1147	348232-348458 4SHELDONS -4WATSEKA 1	NIPS	NIPS	1370	-82.01	0	0	1370	82.01
05DUMONT 243219 AEP 17STILLWELL 255113 NIPS	1159	243206-270644 05DUMONT -WILTON ; 1	AEP	NIPS	0	0	2	0.59	2	0.59
17ROXANA 255172 NIPS STATELINE; B272502 COMED	1159	243206-270644 05DUMONT -WILTON ; 1	NIPS	COMED	0	0	29	0.62	29	0.62
17STJOHN 255112 NIPS CRETE EC ;BP274750 COMED	1159	243206-270644 05DUMONT -WILTON ; 1	NIPS	COMED	0	0	13	0.96	13	0.96
7GOOS_CRK 348770 AMIL 7RISING 348882 AMIL	1159	243206-270644 05DUMONT -WILTON ; 1	AMIL	AMIL	38	-3.28	0	0	38	3.28
NIW 5 631036 ALTW COLBY5 631202 ALTW	1162	631123-631154 ADAMS L2 5 -BARTON5 1	ALTW	ALTW	0	0	5	1.69	5	1.69
17STILLWELL 255113 NIPS 17STILLWELL 255180 NIPS	1172	243219-255113 05DUMONT -17STILLWELL 1	NIPS	NIPS	30	-2.9	0	0	30	2.9
WAPELLO5 631110 ALTW OTTUMWAS 631115 ALTW	1176	631110-631115 WAPELLO5 -OTTUMWAS 2	ALTW	ALTW	0	0	5	0.41	5	0.41
WAPELLO8 630048 ALTW WAPELLO5 631110 ALTW	1177	631110-630048 WAPELLO5 -WAPELLO8 1	ALTW	ALTW	0	0	16	18.59	16	18.59
YBUS1965 98033 KCPL HAWTH 7 542972 KCPL	1184	542972- 98032 HAWTH 7 -YBUS1966 2	KCPL	KCPL	0	0	150	13.96	150	13.96
ADAMS L2 5 631123 ALTW HAYWARD L1 5631127 ALTW	1185	613042-631044 MURPHY CR 5 -HAYWARD L2 51 601028-694003 EAU CL 3 -ARPIN B4 1; 601014-601028 AS	ALTW	ALTW	0	0	10	0.91	10	0.91
WABACO 5 681532 DPC ROCHSTR5 681537 DPC	1187	KING3 -EAU CL 3 1	DPC	DPC	0	0	6	0.29	6	0.29
4PAXTON E 347972 AMIL 4GIFFORD 348118 AMIL	1197	255129-255159 17GOODLAND -17MORRISON 1	AMIL	AMIL	6	-0.11	0	0	6	0.11
5MIDWY JRDN#338813 EES-ARK BULL SH5 505460 SPP-C	1199	504440-505460 BUFORD 5 -BULL SH5 1	EES-ARK	SPP-C	0	0	1854	383.52	1854	383.52
3WOODWARD% 337620 EES-ARK 3ALTHEIMER+ 337962 EES-ARK	1207	337633-337968 6WOODWARD! -6RICUSKEY% 1	EES-ARK	EES-ARK	255	-81.09	0	0	255	81.09
SWISVAL7 532774 WR DOUGLAS7 532776 WR	1217	532775-542977 87TH 7 -CRAIG 7 1	WR	WR	540	-32.59	0	0	540	32.59
MINGO 7 531451 SECI REDWILO3 640325 NPPD	1221	530583-640065 POSTROCK7 -AXTELL 3 1	SECI	NPPD	250	-21.03	0	0	250	21.03
4CARLYSS! 335060 EES-LA 6CARLYSS% 335070 EES-LA	1222	335200-335190 4NELSON% -6NELSON% 1	EES-LA	EES-LA	0	0	63	19.01	63	19.01
7JOPPA TS 347325 AMIL 5JOPPA TS 351003 AMMO	1225	360001-360002 8SHAWNEE FP -7SHAWNEE FP 1	AMIL	AMMO	2	-0.04	0	0	2	0.04
CBLUFFS5 635001 MEC S1206 5 646206 OPPD	1227	635000-645456 CBLUFFS3 -S3456 3 1	MEC	OPPD	338	-34.99	0	0	338	34.99
08TDHNTR 249574 DUK-OH 08TODM17 250109 DUK-OH	1238	249574-250107 08TDHNTR -08TODM15 1	DUK-OH	DUK-OH	9	-7.3	0	0	9	7.3
SHENDR 340560 BREC 4HENDR 340617 BREC	1242	253620-340562 10ABB345 -7REID 1 345088-345230 7MCCREDIE -7MONTGMRY 1; 300044-	BREC	BREC	0	0	344	23.72	344	23.72
SLOY MARTIN 344040 AMMO 5GUTHRIE 344677 AMMO	1277	345088 7MCCRED -7MCCREDIE Z	AMMO	AMMO	2	-0.05	2	0.08	4	0.13
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	1284	337368-509366 8MT_OLIVE% -LAYFLD8 1	EES-LA	EES-LA	0	0	982	9.47	982	9.47

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
3DODSON 337344 EES-LA 3DANVILLE LA 337345 EES-LA	1284	337368-509366 8MT_OLIVE% -LAYFLD8 1	EES-LA	EES-LA	0	0	68	13.35	68	13.35
3CABOT 338006 EES-ARK 3HOLND BTM 338016 EES-ARK	1285	338144-338142 8ISES-XF -5ISES% 1; 338144-338142 8ISES-XF -5ISES% 2	EES-ARK	EES-ARK	0	0	14	6.7	14	6.7
5NEWMAD 300103 AECIZ 5TIPTONVL TN361261 TVAZ	1286	338188-338198 8SANS SOUCI%-8DRIVER% 1	AECIZ	TVAZ	104	-7.03	0	0	104	7.03
5MARKEDTREE 338165 EES-ARK 5HARRISBURG+338167 EES-ARK	1286	338188-338198 8SANS SOUCI%-8DRIVER% 1	EES-ARK	EES-ARK	0	0	245	31.12	245	31.12
5RIDGELY TN 360521 TVAZ 5TIPTONVL TN361261 TVAZ	1286	338188-338198 8SANS SOUCI%-8DRIVER% 1	TVAZ	TVAZ	0	0	23	4.35	23	4.35
5TIPTONVL TN361261 TVAZ 5POLK TP 361596 TVAZ	1286	338188-338198 8SANS SOUCI%-8DRIVER% 1	TVAZ	TVAZ	3	-0.22	0	0	3	0.22
GR JCT 5 631074 ALTW DRAGER5 656283 CBPC	1296	635300-635330 MONONA 5 -CRWFRD 5 1	ALTW	CBPC	0	0	495	10.58	495	10.58
GRE-JOHNJCT7616002 GRE ORTONVL7 620216 OTP	1301	620327-620329 HANKSON4 -WAHPETN4 1	GRE	OTP	0	0	8	10.39	8	10.39
LAKEFLD3 631138 ALTW OBRIEN 3 635368 MEC	1306	635200-635400 RAUN 3 -HIGHLND 3 1	ALTW	MEC	0	0	2009	39.81	2009	39.81
OBRIEN 3 635368 MEC HIGHLND 3 635400 MEC	1306	635200-635400 RAUN 3 -HIGHLND 3 1	MEC	MEC	0	0	1082	0.65	1082	0.65
LKFLDXL3 601029 NSP LAKEFLD3 631138 ALTW	1310	601010-600005 MNTCELO3 -MNTCE31G 1	NSP	ALTW	0	0	1170	59.93	1170	59.93
LITTLEF7 608650 MP GRE-LANGLTP7617000 GRE	1311	608617-615319 MUDLAKE4 -GRE-BENTON 41	MP	GRE	0	0	15	19.95	15	19.95
4DIAMSTR TP1348745 AMIL 4MCLEAN CO 348854 AMIL	1318	270853-348847 PONTIAC ; R-7BROKAW 1	AMIL	AMIL	10	-9.08	4	0.1	14	9.18
WILMART7 603002 NSP SWAN LK7 603003 NSP	1325	601004-601072 WILMART3 -SHEAS LK3 1	NSP	NSP	12	-2.58	0	0	12	2.58
NROC 3 601039 NSP BYRON 3 613060 SMP	1325	601004-601072 WILMART3 -SHEAS LK3 1	NSP	SMP	0	0	213	13.37	213	13.37
YBUS2652 97346 WPS STONE LK B1 694075 WPS	1327	694107-699676 PERSHING -GARDR PK 1	WPS	WPS	0	0	563	5.15	563	5.15
HOLCOMB7 603150 NSP CORNELL 603224 NSP	1327	694107-699676 PERSHING -GARDR PK 1	NSP	NSP	0	0	366	9.59	366	9.59
SUNNYVAL 699666 WPS SHRMMN ST 699704 WPS	1327	694107-699676 PERSHING -GARDR PK 1	WPS	WPS	0	0	37	29.01	37	29.01
HOLCOMB7 603150 NSP PERSHING 7 603281 NSP	1327	694107-699676 PERSHING -GARDR PK 1	NSP	NSP	99	-1.47	1	0	100	1.47
BLUEETA5 602003 NSP HUNTLEY5 631045 ALTW	1331	601004-601033 WILMART3 -FIELD_N3 1	NSP	ALTW	0	0	2716	1083.02	2716	1083.02
18TITBAW 256290 CONS 18REDSTONE 256542 CONS	1342	256066-256542 18REGAL -18REDSTONE 1	CONS	CONS	0	0	7	0.46	7	0.46
18ALPENA 256042 CONS SPRUCE RD 256272 CONS	1344	256003-256012 18GALAGR -18LVNSTN 1	CONS	CONS	0	0	11	1.33	11	1.33
6LAYFLD 500465 CLEC WKRAFT 6 500910 CLEC	1380	334325-509366 8HARTBRG% -LAYFLD8 1	CLEC	CLEC	31	-1.95	0	0	31	1.95
3JENA 337312 EES-LA 3STANDARD 337340 EES-LA	1380	334325-509366 8HARTBRG% -LAYFLD8 1	EES-LA	EES-LA	0	0	261	2.38	261	2.38
COOPER 4 500220 CLEC LEESV 4 500480 CLEC	1380	334325-509366 8HARTBRG% -LAYFLD8 1	CLEC	CLEC	0	0	103	11.24	103	11.24
TENRUSK7 508585 SPP-C CROCKET7 509241 SPP-C	1380	334325-509366 8HARTBRG% -LAYFLD8 1	SPP-C	SPP-C	659	-30.2	0	0	659	30.2
4FORK CK 334281 EES-TX 4RAYBURN% 334282 EES-TX	1384	334028-509241 7GRIMES% -CROCKET7 1	EES-TX	EES-TX	0	0	374	98.91	374	98.91
DOLHILL7 500250 CLEC DOLHILL6 500260 CLEC	1384	334028-509241 7GRIMES% -CROCKET7 1	CLEC	CLEC	2428	-65.13	0	0	2428	65.13
WAUKEGAN ; R270915 COMED ZION STA ;08270942 COMED	1385	270914-270940 WAUKEGAN ; B-ZION STA ; B1	COMED	COMED	0	0	9	2.38	9	2.38
NED 161 699010 ALTE NED 138 699020 ALTE	1386	631191-693863 HCKRYCK3 -EDEN 345 1	ALTE	ALTE	117	-11.18	0	0	117	11.18
TRK RIV5 631060 ALTW STONEMAN 681519 DPC	1386	631191-693863 HCKRYCK3 -EDEN 345 1	ALTW	DPC	456	-96.88	0	0	456	96.88
EEN 138 699034 ALTE WYV 138 699115 ALTE	1387	693863-699829 EDEN 345 -CARDINAL 1	ALTE	ALTE	101	-3.64	0	0	101	3.64
07NWTVL1 248435 HE 10NTVL16 253580 SIGE	1388	247851-340563 0SROCKPT -7COLEMAN 1	HE	SIGE	0	0	92	15.79	92	15.79
WILMART7 603002 NSP SWAN LK7 603003 NSP	1401	601050-601072 HELENA 3 -SHEAS LK3 1	NSP	NSP	17	-2.43	0	0	17	2.43
NROC 3 601039 NSP BYRON 3 613060 SMP	1401	601050-601072 HELENA 3 -SHEAS LK3 1	NSP	SMP	0	0	1306	71.04	1306	71.04
BLK DOG7 603061 NSP WILSON 7 603116 NSP	1402	603061-603204 BLK DOG7 -WILSON TAP7 3	NSP	NSP	255	-58.73	0	0	255	58.73
GRE-MCHENRY7615348 GRE OTP VOLTAIRE620283 OTP	1403	602052-615347 MAGIC CITY 4-GRE-MCHENRY41	GRE	OTP	3048	-364.49	0	0	3048	364.49
ST LAKES 602017 NSP MINONG 5 608631 MP	1405	601001-601017 FORBES 2 -CHIS-N 2 1	NSP	MP	332	-0.15	0	0	332	0.15
16L TAP7 608718 MP COTTNTP7 608720 MP	1405	601001-601017 FORBES 2 -CHIS-N 2 1	MP	MP	112	-5.19	0	0	112	5.19
ARROWHD7 608673 MP GRE-BERGNT7618001 GRE	1405	601001-601017 FORBES 2 -CHIS-N 2 1	MP	GRE	26	-0.23	0	0	26	0.23
ARROWHD7 608673 MP GARY 7 608679 MP	1407	608676-608680 HIBBARD7 -WNTR ST7 1	MP	MP	346	-1.58	0	0	346	1.58
GR RPD57 608740 MP GRE-POKEGMT7618009 GRE	1408	608612-608625 RIVERTN4 -BLCKBRY4 1	MP	GRE	23	-0.33	0	0	23	0.33

											Total						
Flow Gate				Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Binding Hours	Total SP [k\$/MWh]				
NIW 5	631036	ALTW	COLBY5	631202	ALTW	1413	601002-631144 ADAMS 3	-MITCHLCO3	1	ALTW	ALTW	0	0	14	0.22	14	0.22
WEBSTER5	636001	MEC	WRIGHT 5	636050	MEC	1415	631197-635369 LEDYARD3	-KOSSUTH 3	1	MEC	MEC	82	-12.02	0	0	82	12.02
FRANKLN5	636230	MEC	WALL LK5	636235	MEC	1415	631197-635369 LEDYARD3	-KOSSUTH 3	1	MEC	MEC	0	0	230	14.05	230	14.05
LAKEFLD3	631138	ALTW	OBRIEN 3	635368	MEC	1415	631197-635369 LEDYARD3	-KOSSUTH 3	1	ALTW	MEC	0	0	340	15.77	340	15.77
LAWRENC7	603012	NSP	SIOMUXFL7	652524	BEPC	1419	602004-652523 SPLT RK4	-SIOMUXFL4	1	NSP	BEPC	3641	-652.95	0	0	3641	652.95
05NEWCAR	243349	AEP	05BOSSERMAN	247489	AEP	1424	243353-247489 05OLIVE	-05BOSSERMAN 1		AEP	AEP	105	-40.56	0	0	105	40.56
05OLIVE	243353	AEP	05BOSSERMAN	247489	AEP	1425	243349-243353 05NEWCAR	-05OLIVE 1		AEP	AEP	266	-212.07	0	0	266	212.07
17MICH_CITY	255153	NIPS	17TRAIL_CRK	255184	NIPS	1426	247489-255153 05BOSSERMAN	-17MICH_CITY 1		NIPS	NIPS	0	0	7	5.19	7	5.19
07HUBBL8	248831	HE	08BATESV	249691	DUK-IN	1432	243233-249567 05TANNER	-08M.FORT 1		HE	DUK-IN	0	0	27	29.46	27	29.46
05TANNER	243233	AEP	06DEARB1	248001	AEP	1432	243233-249567 05TANNER	-08M.FORT 1		AEP	AEP	1436	-137.57	0	0	1436	137.57
06DEARB1	248001	AEP	06PIERCE	248013	AEP	1432	243233-249567 05TANNER	-08M.FORT 1		AEP	AEP	33	-16.08	0	0	33	16.08
08LAFSOU	249778	DUK-IN	08SHDLND	249884	DUK-IN	1434	249816-249873 08NW TP1	-08WESTW2	1	DUK-IN	DUK-IN	0	0	4	8.74	4	8.74
08NW TP2	249817	DUK-IN	08PURDUE	249831	DUK-IN	1434	249816-249873 08NW TP1	-08WESTW2	1	DUK-IN	DUK-IN	36	-51.65	0	0	36	51.65
17GARY_AVE	255251	NIPS	17GARY_AVE	255252	NIPS	1439	255111-255251 17SHEFFIELD	-17GARY_AVE 1		NIPS	NIPS	36	-14.94	0	0	36	14.94
19STC12	264960	DECO	19LENOX2	264971	DECO	1453	264798-264961 19CRBNTPT	-19STC10 1		DECO	DECO	18	-2.34	0	0	18	2.34
ALPINE ;R2720981	COMED	BELVIDERE; R271083	COMED	1457	270694-270883 CHERRY VA; B-SILVER LK; R1	COMED	COMED	78	-244.74	0	0	78	244.74				
BELVIDERE; B271082	COMED	MARENGO ;B271974	COMED	1457	270694-270883 CHERRY VA; B-SILVER LK; R1	COMED	COMED	2	-0.51	0	0	2	0.51				
6ANGIE	303222	LAGN	6ADMSCRK%	336131	EES-LA	1461	303223-336137 6FR_BRANCH	-6SLIDELI 1		LAGN	EES-LA	0	0	635	29.03	635	29.03
3BATESVILLE	361116	TVAZ	YBUS1158	98840	TVA	1462	318308-337123 6BATESVL	-6BATESVILLE1		TVAZ	TVA	0	0	269	7.56	269	7.56
CAROLTN5	543060	KCPL	BRUNSWK5	543061	KCPL	1475	345408-541201 7OVERTON	-SIBLEY 7 1		KCPL	KCPL	52	-4.48	0	0	52	4.48
7NEOGA	347821	AMIL	4NEOGA	347822	AMIL	1481	346809-347821 7CASEY	-7NEOGA 1		AMIL	AMIL	13	-0.47	0	0	13	0.47
BISMAR7	652427	WAUE	ESTBMRK7	661029	BEPC	1495	657751-661053 CENTER 4	-MANDAN 4 1		WAUE	BEPC	57	-46.29	0	0	57	46.29
WABACO 5	681532	DPC	ROCHSTR5	681537	DPC	1506	601043- 97949 BRIGGS RD 5	-YBUS2049 9		DPC	DPC	0	0	14	11.21	14	11.21
RUGBOTP7	620279	OTP	RUGBY 7	652452	WAUE	1507	615903-620379 GRE-BALTA	4-RUGBY 4 1		OTP	WAUE	1204	-6.76	1813	11.49	3017	18.25
GRE-MCHENRY7615348	GRE	VOLTAIR -CP7655643	BEPC	1507	615903-620379 GRE-BALTA	4-RUGBY 4 1	GRE	BEPC	985	-78.88	0	0	985	78.88			
DEVILSE7	620265	MPC	DEVIL J7	620267	OTP	1507	615903-620379 GRE-BALTA	4-RUGBY 4 1		MPC	OTP	1867	-89.82	0	0	1867	89.82
M-TOWN 7	631004	ALTW	BLRSTWN7	631013	ALTW	1508	631000-631083 ABBOTT 5	-TRAER 5 1		ALTW	ALTW	1	-0.1	0	0	1	0.1
WAPELLO8	630048	ALTW	ELDON 8	630408	ALTW	1514	631110-631111 WAPELLO5	-JEFF 5 1		ALTW	ALTW	557	-498.67	0	0	557	498.67
ADAMS 8	630139	ALTW	ADAMS L2 5	631123	ALTW	1516	631123-681527 ADAMS L2 5	-BVR CRK5 1		ALTW	ALTW	0	0	82	33.46	82	33.46
LORE 5	631056	ALTW	HCKRYCK5	631159	ALTW	1517	631140-631191 SALEM 3	-HCKRYCK3 1		ALTW	ALTW	0	0	37	9.22	37	9.22
GRE-MCHENRY4615347	GRE	YBUS2127	97871	GRE		1523	659106-659108 LELAND04	-LOGAN 4 1		GRE	GRE	1414	-198.35	0	0	1414	198.35
OSPREY 7	603144	NSP	PERSHING 7	603281	NSP	1527	694076-694107 STONE LK B2	-PERSHING 1		NSP	NSP	0	0	358	16.62	358	16.62
08FVPTS2	249677	DUK-IN	16FVE_T	254591	IPL	1528	249506-249612 08COLMBU	-08COLMBU 1		DUK-IN	IPL	0	0	15	9.81	15	9.81
19WTRMN	264690	DECO	19WTRMN4	264984	DECO	1530	264610-264690 19DIGTP	-19WTRMN 1		DECO	DECO	1110	-0.75	2	0	1112	0.75
19CANIFP	264730	DECO	19CANIF	264538	DECO	1530	264610-264690 19DIGTP	-19WTRMN 1		DECO	DECO	159	-0.03	0	0	159	0.03
19PONTC	264635	DECO	19WIXOM	264697	DECO	1531	264635-264636 19PONTC	-19PLACD 1		DECO	DECO	231	-13.97	0	0	231	13.97
19PONTC	264635	DECO	19PLACD	264636	DECO	1532	264635-264697 19PONTC	-19WIXOM 1		DECO	DECO	99	-51.88	0	0	99	51.88
6ADDIS%	335536	EES-LA	6TIGER!	335665	EES-LA	1533	336000-336001 6IBERVIL%	-6EVGREN! 1		EES-LA	EES-LA	68	-23.51	0	0	68	23.51
SNOVELY_SW	300106	AECIZ	5ADAIR3	344006	AMMO	1534	344000-345435 7ZACKARY	-7MAYWOOD	1	AECIZ	AMMO	0	0	71	6.12	71	6.12
MNTZUMA3	635730	MEC	HILLS 3	636400	MEC	1534	344000-345435 7ZACKARY	-7MAYWOOD	1	MEC	MEC	860	-57.59	0	0	860	57.59
LAWRENC7	603012	NSP	SIOMUXFL7	652524	BEPC	1535	601006-652537 SPLT RK3	-WHITE 3 1		NSP	BEPC	42	-5.36	0	0	42	5.36
BYRON 5	613070	SMP	CASCADE	625430	SMP	1536	601039-613060 NROC 3	-BYRON 3 1		SMP	SMP	217	-34.05	0	0	217	34.05
WABACO 5	681532	DPC	ROCHSTR5	681537	DPC	1536	601039-613060 NROC 3	-BYRON 3 1		DPC	DPC	0	0	671	225.88	671	225.88
S3 7	652508	WAUE	GRANITF7	652551	WAUE	1537	601048-601054 LYON CO 3	-HAZEL CK3 1		WAUE	WAUE	10	-1.12	0	0	10	1.12
SHEYNNE7	603018	NSP	MAPLTN 7	620203	OTP	1538	601067-620358 BISON 3	-BUFFALO3 1		NSP	OTP	0	0	125	11.04	125	11.04

Flow Gate				Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
MINVALT4	602008 NSP	GRANITF4	652550 WAUE	1539	602008-602009 MINVALT4 -MNVLTAP4 1	NSP	WAUE	141	-12.41	0	0	141	12.41
GRE-BUNKER	4615328 GRE	GRE-BLAINE	4615377 GRE	1541	602015-615460 REDROCK4 -GRE-RUSH CY41	GRE	GRE	8	-0.84	0	0	8	0.84
RVT1BUS7	608657 MP	GRE-MERRFLD	7616701 GRE	1542	608610-608612 BADOURA4 -RIVERTN4 1	MP	GRE	17	-2.44	0	0	17	2.44
16L TAP7	608718 MP	COTTNTP7	608720 MP	1543	608614-608622 98L TAP4 -IRONRNG4 1	MP	MP	285	-8.13	0	0	285	8.13
RUGBOTP7	620279 OTP	RUGBY 7	652452 WAUE	1544	615335-615903 GRE-RAMSEY 4-GRE-BALTA 41	OTP	WAUE	424	-14.92	0	0	424	14.92
HENSEL 7	620257 OTP	LANGDON7	657709 MPC	1545	615335-615907 GRE-RAMSEY 4-GRE-RMSYCB14Z	OTP	MPC	0	0	370	24.1	370	24.1
DEVILSE7	620265 MPC	RAMSEY 7	620266 OTP	1545	615335-615907 GRE-RAMSEY 4-GRE-RMSYCB14Z	MPC	OTP	0	0	159	12.48	159	12.48
LANGDON7	657709 MPC	SWEETWA7	657720 MPC	1545	615335-615907 GRE-RAMSEY 4-GRE-RMSYCB14Z	MPC	MPC	0	0	24	0.75	24	0.75
HOOT LK7	620223 OTP	FERGSFL7	658110 MRES	1546	615637-658109 GRE-SILVRLK4-FERGSFL4 1	OTP	MRES	0	0	6	3.79	6	3.79
DEVILSE7	620265 MPC	DEVIL J7	620267 OTP	1547	615908-657755 GRE-RMSYCB24-PRAIRIE4 1	MPC	OTP	2716	-491.46	0	0	2716	491.46
DEVIL J7	620267 OTP	DEVILSL7	652431 WAUE	1547	615908-657755 GRE-RMSYCB24-PRAIRIE4 1	OTP	WAUE	6	-0.12	0	0	6	0.12
NIW 5	631036 ALTW	COLBY5	631202 ALTW	1548	631193-631197 HUNTLEY3 -LEDYARD3 1	ALTW	ALTW	0	0	14	3.88	14	3.88
LAKEFLD3	631138 ALTW	OBRIEN 3	635368 MEC	1548	631193-631197 HUNTLEY3 -LEDYARD3 1	ALTW	MEC	0	0	10	0.73	10	0.73
ATCHSN 3	635017 MEC	COOPER 3	640139 NPPD	1549	635017-635630 ATCHSN 3 -BOONVIL3 1	MEC	NPPD	1745	-55.99	0	0	1745	55.99
ST LAKES	602017 NSP	MINONG 5	608631 MP	1550	694078-699449 STONE LK B4 -ARROWHD 1	NSP	MP	783	-1.45	0	0	783	1.45
HIBBARD7	608676 MP	WNTR ST7	608680 MP	1550	694078-699449 STONE LK B4 -ARROWHD 1	MP	MP	4662	-53.16	0	0	4662	53.16
18WHITINGW 256320 CONS SAMARIA 2 259422 CONS				1551	256320-256662 18WHITINGW -18WHITINGB Z	CONS	CONS	1385	-128.46	0	0	1385	128.46
18WHITINGW 256320 CONS 18WHITINGB 256662 CONS				1552	256320-259422 18WHITINGW -SAMARIA 2 1	CONS	CONS	275	-3.54	0	0	275	3.54
19CANIF	264538 DECO	19CORTL	264544 DECO	1553	264530-264561 19BRSTL1 -19FRISB 1	DECO	DECO	507	-11.34	0	0	507	11.34
19BUNCE1	264536 DECO	19FITZ	265228 DECO	1554	264536-264947 19BUNCE1 -19BUNCE2 Z	DECO	DECO	1517	-5.23	2035	0.04	3552	5.27
19MOHIC1	264776 DECO	19STC2	264963 DECO	1554	264536-264947 19BUNCE1 -19BUNCE2 Z	DECO	DECO	27	-0.03	220	0.01	247	0.04
19BRSTL1	264530 DECO	19FRISB	264561 DECO	1555	264538-264544 19CANIF -19CORTL 1	DECO	DECO	619	-4.04	0	0	619	4.04
19CANIF	264538 DECO	19BRSTL4	264983 DECO	1555	264538-264544 19CANIF -19CORTL 1	DECO	DECO	7	-0.15	0	0	7	0.15
19RR1	264647 DECO	19MARON	264767 DECO	1556	264615-264747 19NAVAR -19I-N-RV 1	DECO	DECO	0	0	5	0.08	5	0.08
4ARNOLD 3 344036 AMMO 4MER 1&4 345123 AMMO				1558	344086-345123 4BAUMGT TP2 -4MER 1&4 1	AMMO	AMMO	0	0	1691	120.5	1691	120.5
RUGBOTP7	620279 OTP	RUGBY 7	652452 WAUE	1560	620265-620266 DEVILSE7 -RAMSEY 7 1	OTP	WAUE	112	-7.16	0	0	112	7.16
CLBRTSN7	659112 BEPC	POPLAR 7	661075 BEPC	1561	652421-659262 WILISTN7 -CULBERTSN E71	BEPC	BEPC	1260	-26.63	0	0	1260	26.63
PLUMPIP7	620253 OTP	TRFALLS7	657713 MPC	1562	657706-657722 FALCONR7 -OSLO 7 1	OTP	MPC	17	-6.63	0	0	17	6.63
05RILEYC	243080 AEP	05YELLWC	247000 AEP	1563	239269-242993 02RICHLJ -05E.LPSC 1	AEP	AEP	0	0	1515	113.21	1515	113.21
05HOWARD	243024 AEP	05MELMOR	243039 AEP	1564	242984-243024 05CHATFL -05HOWARD 1	AEP	AEP	110	-21.85	0	0	110	21.85
05HOWARD	243024 AEP	05MELMOR	243039 AEP	1565	242984-243039 05CHATFL -05MELMOR 1	AEP	AEP	132	-22.63	0	0	132	22.63
18ALBAJ	256031 CONS	18ALBA	263670 WPSC	1566	256031-256599 18ALBAJ -18VANTYLE 1	CONS	WPSC	2	-0.11	0	0	2	0.11
KEWANEE ;13271838 COMED 4KEWANEE N 348923 AMIL				1567	348923-348974 4KEWANEE N -4KEWANEE S Z	COMED	AMIL	0	0	1772	85.34	1772	85.34
BLRSTWN7	631013 ALTW	PRAR CK7	631017 ALTW	1568	631001-631012 TOLEDO 5 -BL.PLN.5 1	ALTW	ALTW	47	-32.11	0	0	47	32.11
4JACKSNVL	347297 AMIL	4JACKSNVL	IP348912 AMIL	1569	347688-347955 7MEREDOSIA -7AUSTIN 1	AMIL	AMIL	13	-1.12	0	0	13	1.12
4KEWANEE N 348923 AMIL 4KEWANEE S 348974 AMIL				1570	348944-349730 7SANDBURG -7FARGO 1	AMIL	AMIL	7	-1.17	0	0	7	1.17
4KEWANEE STP348924 AMIL 4SANDBURG 348972 AMIL				1570	348944-349730 7SANDBURG -7FARGO 1	AMIL	AMIL	0	0	3	6.94	3	6.94
GRE-MCHENRY7615348 GRE VOLTAR -CP7655643 BEPC				1573	615347-615903 GRE-MCHENRY4-GRE-BALTA 41	GRE	BEPC	578	-93.6	0	0	578	93.6
BIGSTON4	620314 OTP	BROWNSV4	620325 OTP	1574	620362-620363 OAKES 4 -FORMAN 4 1	OTP	OTP	367	-130.56	0	0	367	130.56
BIGSTON4	620314 OTP	BROWNSV4	620325 OTP	1575	620362-661098 OAKES 4 -ELLENDLMVP4 1	OTP	OTP	233	-108.05	0	0	233	108.05
WERNER W B2 694080 WEC N APPLETON 699359 WEC				1578	694033-699359 MORGAN B2 -N APPLETON 1	WEC	WEC	0	0	14	3.2	14	3.2
RACINE4	699472 WEC	RACINE1	699471 WEC	1579	698853-699471 RACINE2 -RACINE1 Z	WEC	WEC	123	-16.19	0	0	123	16.19
4N.HARD	340615 BREC	5N.HARD	340616 BREC	1580	324173-340624 5MATANZAS -5BRTAP 1	BREC	BREC	623	-89.21	0	0	623	89.21

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
7PALMYRA 345436 AMMO 5PALMYRA 345437 AMMO	1581	345435-347010 7MAYWOOD -7HERLEMAN 1	AMMO	AMMO	249	-122.94	0	0	249	122.94
5MARBLE N 347516 AMIL 4MARBHD N 347515 AMIL	1581	345435-347010 7MAYWOOD -7HERLEMAN 1	AMIL	AMIL	27	-4.33	2	0.63	29	4.96
GRIMES 3 635600 MEC SYCAMOR3 635700 MEC	1582	635600-635700 GRIMES 3 -SYCAMOR3 2	MEC	MEC	473	-14.71	0	0	473	14.71
05FALL C 243222 AEP 16SUNNYS 254535 IPL	1584	243222-249515 05FALL C -08NOBSLV 1	AEP	IPL	487	-34.88	0	0	487	34.88
05FALL C 243292 AEP 08NEWCAS 249810 DUK-IN	1585	243222-254535 05FALL C -16SUNNYS 1	AEP	DUK-IN	224	-41.92	0	0	224	41.92
08NOBSLV 249626 DUK-IN 08DURBIN 249637 DUK-IN	1585	243222-254535 05FALL C -16SUNNYS 1	DUK-IN	DUK-IN	14	-7.05	0	0	14	7.05
10ELOT13 253526 SIGE 10802288 253552 SIGE	1586	249510-253620 08GIBSON -10ABB345 1	SIGE	SIGE	0	0	133	6.61	133	6.61
08M.FORT 250057 DUK-OH 08M.FORT 249567 DUK-OH	1587	249567-249575 08M.FORT -08TERMNL 1	DUK-OH	DUK-OH	0	0	8	7.32	8	7.32
08SGROVE 249573 DUK-OH 08SGROVE 250097 DUK-OH	1588	249571-249573 08REDBK1 -08SGROVE 1	DUK-OH	DUK-OH	465	-180.72	0	0	465	180.72
18SPALDG 256271 CONS 18PETISJ 256326 CONS	1589	256147-256215 18GAINES -18MEADWJ 1	CONS	CONS	0	0	5	11.76	5	11.76
19BISMARCK1 264788 DECO 19GOLF2 265023 DECO	1590	264535-264663 19BENSJ -19STEPH 1	DECO	DECO	0	0	145	0.79	145	0.79
19CANIF 264538 DECO 19CORTL 264544 DECO	1591	264538-264983 19CANIF -19BRSTL4 1	DECO	DECO	3	-0.01	0	0	3	0.01
4LTV STL NTP348919 AMIL 4PRINCETN TP348921 AMIL	1593	271655-271835 HENNEEPIN; T-KEWANEE ;231	AMIL	AMIL	0	0	165	78.35	165	78.35
CRESCENT ; R271241 COMED OGLESBY ; T272189 COMED	1593	271655-271835 HENNEEPIN; T-KEWANEE ;231	COMED	COMED	279	-15.91	0	0	279	15.91
4INA 347280 AMIL 4WALTON TP 348841 AMIL	1594	346992-348827 7E W FKFT -7W MT VERNON1	AMIL	AMIL	0	0	766	176.12	766	176.12
4W FKFT E 348416 AMIL 4W.FRKFT 348425 AMIL	1594	346992-348827 7E W FKFT -7W MT VERNON1	AMIL	AMIL	0	0	458	114.9	458	114.9
4BROKAW 348848 AMIL 4N LEROY TAP348898 AMIL	1595	348770-348850 7GOOS_CRK -7MAROA E JCT1	AMIL	AMIL	139	-78.57	0	0	139	78.57
4BROKAW 348848 AMIL 4N LEROY TAP348898 AMIL	1596	348770-348882 7GOOS_CRK -7RISING 1	AMIL	AMIL	723	-364.36	0	0	723	364.36
4MAKANDA 347499 AMIL 4ORDILL 347883 AMIL	1597	346792-347166 4CARBD NW -4GRAND TW 1	AMIL	AMIL	70	-1.87	0	0	70	1.87
4GIBSON C 347114 AMIL 4CB BROKW TP348913 AMIL	1598	347114-347971 4GIBSON C -4PAXTON 1	AMIL	AMIL	35	-1.06	0	0	35	1.06
MAZON ; R271987 COMED OGLESBY ; T272189 COMED	1599	348745-348854 4DIAMSTR TP1-4MCLEAN CO 1	COMED	COMED	0	0	1054	160.92	1054	160.92
4GHENT 324253 LKE 4NAS TP 324287 LKE	1601	324105-324109 7GHENT -7NAS 1	LKE	LKE	1092	-253.01	0	0	1092	253.01
POWESHK5 631113 ALTW BEACON 5 635870 MEC	1602	631143-635730 OTTUMWA3 -MNTZUMA3 1	ALTW	MEC	113	-9.37	0	0	113	9.37
CBLUFFS3 635000 MEC S3456 3 645456 OPPD	1603	635017-640139 ATCHSN 3 -COOPER 3 1	MEC	OPPD	1623	-70.86	0	0	1623	70.86
GRE-JOHNJCT7616002 GRE ORTONVL7 620216 OTP	1605	652550-652554 GRANITF4 -MORRIS 4 1	GRE	OTP	0	0	24	41.85	24	41.85
19CANIFP 264730 DECO 19CANIF 264538 DECO	1607	264626-264763 19NEAST -19STEPH 1	DECO	DECO	460	-130.1	0	0	460	130.1
LATHAM ; T270804 COMED 7LATHAM 348856 AMIL	1609	270796-270804 KINCAID ; B-LATHAM ; T1	COMED	AMIL	7	-0.18	0	0	7	0.18
IRONRNG4 608622 MP FORBES 4 608624 MP	1610	601001-601013 FORBES 2 -ROSEAU2 1	MP	MP	143	-5.19	0	0	143	5.19
GRE-PANTHER4615529 GRE HUC-MCLEOD 4619940 GRE	1616	601050-601055 HELENA 3 -SCOTTCO3 1	GRE	GRE	2	-0.17	0	0	2	0.17
BROOKLINE 7549984 SPRM YBUS2007 97991 SPRM	1618	549984- 97990 BROOKLINE 7-YBUS2008 2	SPRM	SPRM	159	-11.11	0	0	159	11.11
4KOUNTZE% 334317 EES-TX 4LUMBRN 334318 EES-TX	1626	334326-334328 6CYPRESS% -6BEVIL 1	EES-TX	EES-TX	0	0	13	5.56	13	5.56
S3 7 652508 WAUE GRANITF7 652551 WAUE	1646	601048- 97947 LYON CO 3 -YBUS2051 9	WAUE	WAUE	201	-18.46	0	0	201	18.46
NEAST 5 542985 KCPL CHARLOTS 543133 KCPL	1647	542985-542988 NEAST 5 -GRAND W5 1	KCPL	KCPL	20	-10.62	0	0	20	10.62
NEOSHO 5 532937 WR RIV4525 547469 EDE	1648	300739-532793 7BLACKBERRY -NEOSHO 7 1	WR	EDE	1944	-235.86	0	0	1944	235.86
05CLYTR1 242608 AEP 05SCHRS 242791 AEP	1653	242512-242514 05CLOVRD -05J.FERR 1; 242684-242685	AEP	AEP	854	-270.02	0	0	854	270.02
05M FUNK 242708 AEP 05TECHDR 243874 AEP	1653	242512-242514 05CLOVRD -05J.FERR 1; 242684-242685	AEP	AEP	0	0	89	19.54	89	19.54
DRESDEN ; R270717 COMED ELWOOD ; R270737 COMED	1654	270717-270731 DRESDEN ; R-ELECT JCT;4R1; 270717-275180	COMED	COMED	181	-13.3	0	0	181	13.3
8WATERFO 336150 EES-LA 6WATFRD% 336154 EES-LA	1664	336137-500360 6SLIDELI -FRONTST6 1; 336149-336153	EES-LA	EES-LA	4	-2.46	0	0	4	2.46

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
8WATERFO 336150 EES-LA 6WATFRD% 336154 EES-LA	1665	336001-336003 6EVGREN! -6DNLDVL 1; 336149-336153 6WATFRD_TP% -1WAT U3! 1; 336149-336153 6WATFRD_TP% -1WAT U3! 2 336150-336154 8WATERFO -6WATFRD% 1; 336149-336153 6WATFRD_TP% -1WAT U3! 1; 336149-336153	EES-LA	EES-LA	7	-1.21	0	0	7	1.21
6PANAMA% 336063 EES-LA 6WILTON% 336070 EES-LA	1666	6WATFRD_TP% -1WAT U3! 2 335618-336150 8WILLOW_GL% -8WATERFO 1; 336149-336153 6WATFRD_TP% -1WAT U3! 1; 336149-336153	EES-LA	EES-LA	37	-10.79	0	0	37	10.79
6ST_GABRIEL%335569 EES-LA 6AAC_CORP 335573 EES-LA	1667	6WATFRD_TP% -1WAT U3! 2 336131-336136 6ADMSCRK% -6BOGALUS! 2; 336149-336153 6WATFRD_TP% -1WAT U3! 1; 336149-336153	EES-LA	EES-LA	10	-0.96	0	0	10	0.96
6ADMSCRK% 336131 EES-LA 6BOGALUS! 336136 EES-LA	1671	6WATFRD_TP% -1WAT U3! 2 334363-334429 6HARTBRG% -6CHISHOLM% 1; 334456-334455 1CONOCU1! -4SRWCONOCO! 1; 334457-334455 1CONOCU2! -4SRWCONOCO! 1; 334458-334455 1CONOCU3! -4SRWCONOCO! 1	EES-LA	EES-LA	62	-9.99	0	0	62	9.99
6MCLEWIS 334361 EES-TX 6CHISHOLM% 334429 EES-TX	1672	334320-334325 8CYPRESS% -8HARTBRG% 1; 334456-334455 1CONOCU1! -4SRWCONOCO! 1; 334457-334455 1CONOCU2! -4SRWCONOCO! 1; 334458-334455 1CONOCU3! -	EES-TX	EES-TX	2	-0.48	0	0	2	0.48
4TOOMEY 335087 EES-LA 4MARSHALL 335088 EES-LA	1675	4SRWCONOCO! 1 334320-334325 8CYPRESS% -8HARTBRG% 1; 334456-334455 1CONOCU1! -4SRWCONOCO! 1; 334457-334455 1CONOCU2! -4SRWCONOCO! 1; 334458-334455 1CONOCU3! -	EES-LA	EES-LA	0	0	1	0.16	1	0.16
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1675	4SRWCONOCO! 1 334320-334325 8CYPRESS% -8HARTBRG% 1; 334456-334455 1CONOCU1! -4SRWCONOCO! 1; 334457-334455 1CONOCU2! -4SRWCONOCO! 1; 334458-334455 1CONOCU3! -	EES-LA	EES-LA	0	0	1826	264.16	1826	264.16
4FORK CK 334281 EES-TX 4RAYBURN% 334282 EES-TX	1675	4SRWCONOCO! 1 336154-336190 6WATFRD% -6GYPSY% 1; 336250-336252 69MILE% -1NMIL U5! 1 336154-336190 6WATFRD% -6GYPSY% 2; 336250-336252 69MILE% -1NMIL U5! 1	EES-TX	EES-TX	0	0	47	10.28	47	10.28
6WATFRD% 336154 EES-LA 6GYPSY% 336190 EES-LA	1709	334363-334429 6HARTBRG% -6CHISHOLM% 1; 334440-334434 1G4SABIN! -6SABINE% 1 334363-334429 6HARTBRG% -6CHISHOLM% 1; 334441-334434 1G5SABIN! -6SABINE% 1	EES-LA	EES-LA	4	-3.13	0	0	4	3.13
6WATFRD% 336154 EES-LA 6GYPSY% 336190 EES-LA	1711	334363-334429 6HARTBRG% -6CHISHOLM% 1; 334440-334434 1G4SABIN! -6SABINE% 1 334363-334429 6HARTBRG% -6CHISHOLM% 1; 334432-334430 1G2SABIN! -4SABINE% 1	EES-LA	EES-LA	6	-2.23	0	0	6	2.23
6MCLEWIS 334361 EES-TX 6CHISHOLM% 334429 EES-TX	1741	334363-334429 6HARTBRG% -6CHISHOLM% 1; 334440-334434 1G4SABIN! -6SABINE% 1 334363-334429 6HARTBRG% -6CHISHOLM% 1; 334441-334432 1G5SABIN! -6SABINE% 1	EES-TX	EES-TX	71	-63.82	0	0	71	63.82
6MCLEWIS 334361 EES-TX 6CHISHOLM% 334429 EES-TX	1742	334363-334429 6HARTBRG% -6CHISHOLM% 1; 334432-334430 1G2SABIN! -4SABINE% 1 334320-334325 8CYPRESS% -8HARTBRG% 1; 334440-334434 1G4SABIN! -6SABINE% 1	EES-TX	EES-TX	5	-1.02	0	0	5	1.02
6MCLEWIS 334361 EES-TX 6CHISHOLM% 334429 EES-TX	1743	334363-334429 6HARTBRG% -6CHISHOLM% 1; 334432-334430 1G2SABIN! -4SABINE% 1 334320-334325 8CYPRESS% -8HARTBRG% 1; 334440-334434 1G4SABIN! -6SABINE% 1	EES-TX	EES-TX	5	-1.09	0	0	5	1.09
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1759	334320-334325 8CYPRESS% -8HARTBRG% 1; 334440-334434 1G4SABIN! -6SABINE% 1 334320-334325 8CYPRESS% -8HARTBRG% 1; 334441-334434 1G5SABIN! -6SABINE% 1	EES-LA	EES-LA	0	0	99	44.72	99	44.72
4FORK CK 334281 EES-TX 4RAYBURN% 334282 EES-TX	1759	334320-334325 8CYPRESS% -8HARTBRG% 1; 334441-334434 1G4SABIN! -6SABINE% 1 334320-334325 8CYPRESS% -8HARTBRG% 1; 334441-334434 1G5SABIN! -6SABINE% 1	EES-TX	EES-TX	0	0	494	306.26	494	306.26
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1760	334320-334325 8CYPRESS% -8HARTBRG% 1; 334441-334434 1G4SABIN! -6SABINE% 1 334320-334325 8CYPRESS% -8HARTBRG% 1; 334441-334434 1G5SABIN! -6SABINE% 1	EES-LA	EES-LA	0	0	1	0.02	1	0.02
4FORK CK 334281 EES-TX 4RAYBURN% 334282 EES-TX	1760	334320-334325 8CYPRESS% -8HARTBRG% 1; 334432-334430 1G2SABIN! -4SABINE% 1 334320-334325 8CYPRESS% -8HARTBRG% 1; 334432-334430 1G5SABIN! -6SABINE% 1	EES-TX	EES-TX	0	0	69	18.47	69	18.47
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1761	334320-334325 8CYPRESS% -8HARTBRG% 1; 334432-334430 1G2SABIN! -4SABINE% 1 334320-334325 8CYPRESS% -8HARTBRG% 1; 334432-334430 1G5SABIN! -6SABINE% 1	EES-LA	EES-LA	0	0	278	127.16	278	127.16
4FORK CK 334281 EES-TX 4RAYBURN% 334282 EES-TX	1761	334320-334325 8CYPRESS% -8HARTBRG% 1; 334432-334430 1G2SABIN! -4SABINE% 1	EES-TX	EES-TX	0	0	93	26.95	93	26.95

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1762	335089-335200 4HOLLYWOOD! -4NELSON% 1; 334440-334434 1G4SABIN! -6SABINE% 1	EES-LA	EES-LA	0	0	5	4.45	5	4.45
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1763	335089-335200 4HOLLYWOOD! -4NELSON% 1; 334441-334434 1G5SABIN! -6SABINE% 1	EES-LA	EES-LA	0	0	1	0.04	1	0.04
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1764	335089-335200 4HOLLYWOOD! -4NELSON% 1; 334432-334430 1G2SABIN! -4SABINE% 1	EES-LA	EES-LA	0	0	21	7.43	21	7.43
6NELSON% 335190 EES-LA 8NELSON% 335192 EES-LA	1765	335189-335066 8PATTON -6PATTON 1; 700004-335190 6NEWNEL -6NELSON% 1; 700005-335200 4NEWNEL -4NELSON% 1	EES-LA	EES-LA	0	0	36	1.38	36	1.38
6NELSON% 335190 EES-LA 8NELSON% 335192 EES-LA	1766	335189-335066 8PATTON -6PATTON 1; 335190-335206 6NELSON% -1NELSON_G6! 1	EES-LA	EES-LA	0	0	6	0.25	6	0.25
4CARLYSS! 335060 EES-LA 6CARLYSS% 335070 EES-LA	1767	335200-335190 4NELSON% -6NELSON% 1; 700004-335190 6NEWNEL -6NELSON% 1; 700005-335200 4NEWNEL -4NELSON% 1	EES-LA	EES-LA	0	0	1619	473.4	1619	473.4
4CARLYSS! 335060 EES-LA 6CARLYSS% 335070 EES-LA	1768	335200-335190 4NELSON% -6NELSON% 1; 335190-335206 6NELSON% -1NELSON_G6! 1	EES-LA	EES-LA	0	0	1	0.11	1	0.11
8HARTBRG% 334325 EES-TX LAYFLD8 509366 SPP-C	1769	335192-335367 8NELSON% -8RICHARD% 1; 700004-335190 6NEWNEL -6NELSON% 1; 700005-335200 4NEWNEL -4NELSON% 1	EES-TX	SPP-C	0	0	9	1.1	9	1.1
4BAYOU_COVE%303014 LAGN 4HEBERT 335365 LAGN	1769	335192-335367 8NELSON% -8RICHARD% 1; 700004-335190 6NEWNEL -6NELSON% 1; 700005-335200 4NEWNEL -4NELSON% 1	LAGN	LAGN	15	-7.24	0	0	15	7.24
8HARTBRG% 334325 EES-TX LAYFLD8 509366 SPP-C	1770	335192-335367 8NELSON% -8RICHARD% 1; 335190-335206 6NELSON% -1NELSON_G6! 1	EES-TX	SPP-C	0	0	6	0.41	6	0.41
4BAYOU_COVE%303014 LAGN 4HEBERT 335365 LAGN	1770	335192-335367 8NELSON% -8RICHARD% 1; 335190-335206 6NELSON% -1NELSON_G6! 1	LAGN	LAGN	32	-10.6	0	0	32	10.6
8HARTBRG% 334325 EES-TX LAYFLD8 509366 SPP-C	1771	335368-335500 8WELLS% -8WEBRE% 1; 700004-335190 6NEWNEL -6NELSON% 1; 700005-335200 4NEWNEL -4NELSON% 1	EES-TX	SPP-C	0	0	17	0.32	17	0.32
BVISTA 4 500060 CLEC ELPTAP 4 500290 CLEC	1771	335368-335500 8WELLS% -8WEBRE% 1; 700004-335190 6NEWNEL -6NELSON% 1; 700005-335200 4NEWNEL -4NELSON% 1	CLEC	CLEC	212	-8.93	0	0	212	8.93
8HARTBRG% 334325 EES-TX LAYFLD8 509366 SPP-C	1772	335368-335500 8WELLS% -8WEBRE% 1; 335190-335206 6NELSON% -1NELSON_G6! 1	EES-TX	SPP-C	0	0	6	0.07	6	0.07
BVISTA 4 500060 CLEC ELPTAP 4 500290 CLEC	1772	335368-335500 8WELLS% -8WEBRE% 1; 335190-335206 6NELSON% -1NELSON_G6! 1	CLEC	CLEC	51	-0.66	0	0	51	0.66
6ST_GABRIEL%335569 EES-LA 6AAC_CORP 335573 EES-LA	1775	335568-335582 6WILLOW_GL% -6BOXWOOD% 1; 336250-336242 69MILE% -1NMIL6 ST1 1; 336280-336240 39MILE% -1NMIL6 CT1 1; 336280-336241 39MILE% -1NMIL6 CT2 1	EES-LA	EES-LA	2	-0.12	0	0	2	0.12
6ST_GABRIEL%335569 EES-LA 6AAC_CORP 335573 EES-LA	1776	335568-335582 6WILLOW_GL% -6BOXWOOD% 1; 336250-336252 69MILE% -1NMIL U5! 1	EES-LA	EES-LA	5	-2.02	0	0	5	2.02
6ADMSCRK% 336131 EES-LA 6BOGALUS! 336136 EES-LA	1777	336131-336136 6ADMSCRK% -6BOGALUS! 1; 336250-336242 69MILE% -1NMIL6 ST1 1; 336280-336240 39MILE% -1NMIL6 CT1 1; 336280-336241 39MILE% -1NMIL6 CT2 1	EES-LA	EES-LA	18	-5.09	0	0	18	5.09
6ADMSCRK% 336131 EES-LA 6BOGALUS! 336136 EES-LA	1778	336131-336136 6ADMSCRK% -6BOGALUS! 1; 336250-336252 69MILE% -1NMIL U5! 1	EES-LA	EES-LA	25	-6.79	0	0	25	6.79
HOLLY 4 509110 SPP-C CHIRENO4 509125 SPP-C	1780	334028-509241 7GRIMES% -CROCKET7 1; 334440-334434 1G4SABIN! -6SABINE% 1	SPP-C	SPP-C	8	-5.45	0	0	8	5.45

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
HG_CONVRTR_N107326 ISO-NE	DC	DC	ISO-NE	ISO-NE	0	0	3268	-0.35	3268	0.35
MADAWA 180575 TE	DC	DC	TE	TE	0	0	799	-0.03	799	0.03
RAD315 A181020 TE	DC	DC	TE	ISO-NE	1120	-0.14	0	0	1120	0.14
RAD315 A181020 TE	DC	DC	TE	ISO-NE	3973	-0.27	0	0	3973	0.27
28NEPTUNE 206400 JCPL	DC	DC	JCPL	NY	835	-0.38	7244	22.38	8079	22.76
CNV_BRG 219810 PSEG	DC	DC	PSEG	PSEG	167	-0.03	8491	3.04	8658	3.07
SQBP1DC4 608597 MP	DC	DC	MP	MP	5812	-36.56	1889	11.93	7701	48.49
SQBP2DC4 608599 MP	DC	DC	MP	MP	5893	-36.3	1960	11.59	7853	47.89
GRE-COAL CR4615600 GRE	DC	DC	GRE	GRE	2655	-1.96	611	0.14	3266	2.1
GRE-COAL CR4615600 GRE	DC	DC	GRE	GRE	1044	-0.49	28	-0.01	1072	0.5
CONAWAP4 667000 MHEB	DC	DC	MHEB	MHEB	2446	-2.55	409	0.05	2855	2.6
CONAWAP4 667000 MHEB	DC	DC	MHEB	MHEB	1957	-2.06	451	-0.3	2408	2.36
HENDAY 4 667001 MHEB	DC	DC	MHEB	MHEB	1528	-1.59	1510	-0.27	3038	1.86
HENDAY 4 667001 MHEB	DC	DC	MHEB	MHEB	634	-0.7	2209	-1.47	2843	2.17
RADSND6 667231 MHEB	DC	DC	MHEB	MHEB	381	-0.44	0	0	381	0.44
RADSND6 667231 MHEB	DC	DC	MHEB	MHEB	370	-0.43	7	-0.01	377	0.44

**PROMOD Projected Congestion Data
2026 - PR**

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
HG_CONVRTR_N107326 ISO-NE HG_CONVRTR_S107324 ISO-NE	1	No Outage	ISO-NE	ISO-NE	3964	-3.31	4792	3.72	8756	7.03
CONAWAP4 667000 MHEB RIEL 4 667041 MHEB	1	No Outage	MHEB	MHEB	6143	-6.12	2617	2.61	8760	8.73
INTERFACE PJM Eastern Interfac 7	1	No Outage			14	-0.18	0	0	14	0.18
INTERFACE PJM-CENTRAL INTERFAC 8	1	No Outage			906	-8.69	163	2.89	1069	11.58
INTERFACE PJM- WESTERN INTERFA 9	1	No Outage			16	-0.2	0	0	16	0.2
INTERFACE AP South Interface 10	1	No Outage			95	-0.75	0	0	95	0.75
INTERFACE McGulpin - Straits 17	1	No Outage			1727	-16.26	382	2.21	2109	18.47
INTERFACE SPPSPSTIES 18	1	No Outage			0	0	42	0.04	42	0.04
INTERFACE GRIS_LNC 20	1	No Outage			59	-0.75	0	0	59	0.75
INTERFACE COOPER_S 21	1	No Outage			47	-0.57	0	0	47	0.57
INTERFACE FTCAL_SOUTH 22	1	No Outage			0	0	3	1.76	3	1.76
INTERFACE SPS North - South 24	1	No Outage			71	-0.49	0	0	71	0.49
INTERFACE MH_ONT_W 27	1	No Outage			745	-1.97	4028	69.36	4773	71.33
INTERFACE DYSINGER 7001 28	1	No Outage			6	-0.04	0	0	6	0.04
INTERFACE NY WEST CENTRAL 29	1	No Outage			8	-0.02	4	0	12	0.02
INTERFACE ADIRONDACK - CENTRAL 30	1	No Outage			0	0	3370	3.16	3370	3.16
INTERFACE EDISON LONGISLAND 33	1	No Outage			1281	-0.07	1295	0.45	2576	0.52
INTERFACE DUNWOODIE - SOUTH TI 34	1	No Outage			1675	-5.58	0	0	1675	5.58
INTERFACE IESO-MP 39	1	No Outage			4255	-69.67	99	0.37	4354	70.04
INTERFACE HYDROONE_ONT-ITC 41	1	No Outage			7	-0.05	0	0	7	0.05
INTERFACE ONT-NYIS 42	1	No Outage			850	-0.85	3892	22.54	4742	23.39
COALCREEK NOMO 1	1	No Outage			724	-1.09	4498	33.7	5222	34.79
MISO-ONT Nomogram 2	1	No Outage			3075	-36.27	3893	19.48	6968	55.75
North South Constraint 3	1	No Outage			763	-2.23	43	0.1	806	2.33
OAHE 4 652519 WAUE SULLYBT4 652521 WAUE	1	No Outage	WAUE	WAUE	1	-0.86	0	0	1	0.86
02LALLENDORF241901 DECO 19MON12 264612 FE-ATSI	1	No Outage	DECO	FE-ATSI	0	0	10	0.07	10	0.07
05DANVL2 242620 AEP 05EDAN 1 242631 AEP	1	No Outage	AEP	AEP	67	-4.34	0	0	67	4.34
CDRGV 216915 PSEG ROSELAND 216950 PSEG	1	No Outage	PSEG	PSEG	1484	-0.25	19	0	1503	0.25
E FRANKFO; R270729 COMED GOODINGS ;1R270767 COMED	1	No Outage	COMED	COMED	3	-0.03	0	0	3	0.03
ELECT JCT; B270730 COMED NELSON ; B270828 COMED	1	No Outage	COMED	COMED	0	0	2	1.85	2	1.85
26ERIE E 200654 PENELEC 26FOURMILE 200928 PENELEC	1	No Outage	PENELEC	PENELEC	2979	-248.1	0	0	2979	248.1
ESSEX_PAR 217124 PSEG ESSEX_PLEADS219078 PSEG	1	No Outage	PSEG	PSEG	1356	-0.05	3994	0.46	5350	0.51
ATHENIA_3 216901 PSEG ERUTHF_1 217304 PSEG	1	No Outage	PSEG	PSEG	5	0	0	0	5	0
FTSLO PS 224121 PEPKO FTSLO 69 224122 PEPKO	1	No Outage	PEPCO	PEPCO	3643	-0.76	3062	0.26	6705	1.02
QUAD 1 3-11 270864 COMED ROCK CK3 631141 ALTW	1	No Outage	COMED	ALTW	34	-24.75	0	0	34	24.75
SPRINGRD_2 216911 PSEG ALDENE_6 218345 PSEG	1	No Outage	PSEG	PSEG	0	0	15	0.35	15	0.35
26TIFFANY 200679 PENELEC 26LAUREL L 200680 PENELEC	1	No Outage	PENELEC	PENELEC	0	0	13	0.42	13	0.42
WALDWICK 217062 PSEG WALDWICK 217063 PSEG	1	No Outage	PSEG	PSEG	0	0	4581	24.15	4581	24.15
WEMPLETOW; B270918 COMED WEMPLETOW;4M275231 COMED	1	No Outage	COMED	COMED	0	0	377	24.9	377	24.9
28WHIPPANY 206257 JCPL ROSELAND 216950 PSEG	1	No Outage	JCPL	PSEG	0	0	110	2.89	110	2.89
WSPTSEC2 221331 BGE WP PH.S2 221373 BGE	1	No Outage	BGE	BGE	312	-0.01	1845	0.21	2157	0.22

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
ARROWHD4 608615 MP AWHD PST 699448 WPS	1	No Outage	MP	WPS	125	-0.31	0	0	125	0.31
19DIGTP 264610 DECO 19WTRMN 264690 DECO	1	No Outage	DECO	DECO	5	0	0	0	5	0
7MAYWOOD 345435 AMMO 7SPENCER 345992 AMMO	1	No Outage	AMMO	AMMO	0	0	12	2.23	12	2.23
19BLRPP 264604 DECO 19STCPP 264656 DECO	1	No Outage	DECO	DECO	0	0	1	0	1	0
NORTHWEST; R272129 COMED NORTHWEST;8S272135 COMED	1	No Outage	COMED	COMED	0	0	2	0.2	2	0.2
STATELINE;3B272504 COMED STATELINE;2S272506 COMED	1	No Outage	COMED	COMED	487	-1.34	0	0	487	1.34
RIDGELAND; B272352 COMED RIDGELAND;BS272354 COMED	1	No Outage	COMED	COMED	359	-0.4	0	0	359	0.4
RAM PAR 126296 NY RAMAPO 126297 NY	1	No Outage	NY	NY	168	0	6817	11.52	6985	11.52
RAM PAR 126296 NY RAMAPO 126297 NY	1	No Outage	NY	NY	136	0	6822	11.52	6958	11.52
LARSON 4659372 BEPC TIOGA4 4 661084 BEPC	1	No Outage	BEPC	BEPC	0	0	4022	16.36	4022	16.36
LARSON 4659372 BEPC BDV 4 672603 SPC	1	No Outage	BEPC	SPC	4	0	1635	1.56	1639	1.56
EASTOWN7 541400 MPS IATAN 7 542982 KCPL	1	No Outage	MPS	KCPL	0	0	1	0.05	1	0.05
6SR52 371308 NC-SC 6VOGTLE 380115 SE	1	No Outage	NC-SC	SE	0	0	12	2.16	12	2.16
GENTLMN3 640183 NPPD REDWILO3 640325 NPPD	1	No Outage	NPPD	NPPD	7	-0.13	0	0	7	0.13
YBUS2615 97383 MDU COYOTE 7 661018 OTP	1	No Outage	MDU	OTP	119	-0.74	0	0	119	0.74
HIBBARD7 608676 MP WNTR ST7 608680 MP	1	No Outage	MP	MP	374	-0.1	0	0	374	0.1
TOWNLINE 699141 ALTE BASSCRK 699897 ALTE	1	No Outage	ALTE	ALTE	22	-23.29	0	0	22	23.29
CNASTONE 200004 BGE PCHBTM15 200064 PECO	1	No Outage	BGE	PECO	0	0	3103	132.14	3103	132.14
18ALBAJ 256031 CONS STOVER 256275 CONS	1	No Outage	CONS	CONS	0	0	184	17.65	184	17.65
CLYBOURN ; B271218 COMED DIVERSEY ; B271326 COMED	1	No Outage	COMED	COMED	341	-0.08	0	0	341	0.08
CLYBOURN ; B271218 COMED WEST LOOP; G272762 COMED	1	No Outage	COMED	COMED	0	0	39	2.11	39	2.11
GRENSHAW ; R271579 COMED WASHINGTON; R272727 COMED	1	No Outage	COMED	COMED	0	0	111	0.06	111	0.06
4KEWANEE STP348924 AMIL 4KEWANEE S 348974 AMIL	1	No Outage	AMIL	AMIL	0	0	10	1.02	10	1.02
WEBER RD ; B272742 COMED WILL CNTY;BT272784 COMED	1	No Outage	COMED	COMED	0	0	50	37.18	50	37.18
ST LAKES 602017 NSP MINONG 5 608631 MP	1	No Outage	NSP	MP	416	-0.08	0	0	416	0.08
07RATTAP 248428 HE 16PETE 254638 IPL	1	No Outage	HE	IPL	0	0	357	24.61	357	24.61
HANKSON4 620327 OTP WAHPETN4 620329 OTP	1	No Outage	OTP	OTP	7	-0.22	0	0	7	0.22
OAKVIEW 698988 WEC OC CRK-2 699371 WEC	1	No Outage	WEC	WEC	0	0	64	5.41	64	5.41
4W FKFT E 348416 AMIL 4FRANKLIN 350216 SIPC	1	No Outage	AMIL	SIPC	3	-1.84	0	0	3	1.84
WILMART3 601004 NSP SHEAS LK3 601072 NSP	1	No Outage	NSP	NSP	22	-4.19	0	0	22	4.19
5MATANZAS 324173 LKE 5BRTAP 340624 BREC	1	No Outage	LKE	BREC	21	-2.09	0	0	21	2.09
08CONERV 249714 DUK-IN 08LEWSVL 249783 DUK-IN	1	No Outage	DUK-IN	DUK-IN	0	0	28	3.65	28	3.65
ROLLETTE 230620378 OTP RUGBY 4 620379 OTP	1	No Outage	OTP	OTP	0	0	186	0.38	186	0.38
5LEBJCTT 324150 LKE 5PADDYSR 324154 LKE	5	242510-242511 05BAKER -05BROADF 1	LKE	LKE	0	0	16	33.96	16	33.96
5LEBJCTT 324150 LKE 5PADDYSR 324154 LKE	7	242518-360106 05BROADF -8SULLIVAN TN1	LKE	LKE	0	0	4	0.98	4	0.98
5MARYVL 300097 AECIZ 5NODWAY 300104 AECIZ	8	541252-541253 ST JOEREA 5 -ST JOE 5 Z 324105-324116 7GHENT -7W LEXNG 1; 324102-324116	AECIZ	AECIZ	0	0	19	2.71	19	2.71
4FFRT E 324250 LKE 4TYRONE 324315 LKE	15	7BROWN N -7W LEXNG 1	LKE	LKE	15	-0.85	0	0	15	0.85
5PINEVSW 324156 LKE 5PINEVILL KY360452 TVAZ	29	324073-360102 8POCKETN -8PHIPPS B NP1 541199-542980 ST JOE 3 -NASHUA 7 1; 542972-542980	LKE	TVAZ	64	-50.07	0	0	64	50.07
5FAIRPT 300076 AECIZ 5OSBORN 300107 AECIZ	34	HAWTH 7 -NASHUA 7 1	AECIZ	AECIZ	3	-0.26	0	0	3	0.26

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
SUNNYVAL 699666 WPS SHRMN ST 699704 WPS	44	694002-694068 ARPIN B3 -ROCKY RN B8 1	WPS	WPS	0	0	32	16.71	32	16.71
LORETTO ; B270704 COMED PONTIAC ; B270852 COMED	59	270717-270853 DRESDEN ; R-PONTIAC ; R1	COMED	COMED	0	0	13	0.6	13	0.6
02AVON 238551 FE-ATSI 02LAKEAVE 239725 FE-ATSI	68	238551-239725 02AVON -02LAKEAVE 1	FE-ATSI	FE-ATSI	0	0	12	6	12	6
05DANVL2 242620 AEP 05EDAN 1 242631 AEP	104	242519-314912 05CLOVRD -8LEXNGTN 1	AEP	AEP	11	-0.43	0	0	11	0.43
05DANVL2 242620 AEP 05EDAN 1 242631 AEP	115	242520-306719 05J.FERR -8ANTIOCH 1	AEP	AEP	1006	-62.78	0	0	1006	62.78
05TANNER 243233 AEP 08M.FORT 249567 DUK-OH	134	249565-249575 08EBEND -08TERMNL 1	AEP	DUK-OH	1213	-100.98	0	0	1213	100.98
08M.FORT 250057 DUK-OH 08HEBTAP 250151 DUK-OH	134	249565-249575 08EBEND -08TERMNL 1	DUK-OH	DUK-OH	2	-2.14	0	0	2	2.14
3RIVERTON 337338 EES-LA 3RILLA! 337386 EES-LA	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-LA	EES-LA	0	0	3	0.84	3	0.84
3PARNELL RD 337545 EES-ARK 3NEWELL 337546 EES-ARK	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-ARK	EES-ARK	2	-4.37	0	0	2	4.37
3WYATT! 337544 EES-ARK 3PARNELL RD 337545 EES-ARK	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-ARK	EES-ARK	283	-106.89	0	0	283	106.89
DOLHILL7 500250 CLEC DOLHILL6 500260 CLEC	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	CLEC	CLEC	10	-0.12	0	0	10	0.12
3DOWNSVILLE 337374 EES-LA 3STERL2% 337414 EES-LA	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-LA	EES-LA	0	0	4	4.27	4	4.27
3ROCKYMT115T304223 NC-SC 3BTLEBRO 314554 DOM	163	304183-314935 8WAKE 500 TT-8HERITAGE 1	NC-SC	DOM	0	0	1450	282.78	1450	282.78
6GREENVILE T304451 NC-SC 6EVERETS 314574 DOM	163	304183-314935 8WAKE 500 TT-8HERITAGE 1	NC-SC	DOM	0	0	143	15.62	143	15.62
6PERSON230 T304070 NC-SC 6HALIFAX 314697 DOM	163	304183-314935 8WAKE 500 TT-8HERITAGE 1	NC-SC	DOM	1	-0.01	114	2.74	115	2.75
WEMPLETOW; B270918 COMED WEMPLETOW;4M275231 COMED	196	270679-270918 BYRON ; R-WEMPLETOW; B1	COMED	COMED	0	0	1190	84.08	1190	84.08
01KRENDL 235205 APS 02SENECA 239099 FE-ATSI	197	235104-239280 01CABOT -02CRNBRY 1	APS	FE-ATSI	1	-0.01	0	0	1	0.01
01MITCHL 235124 APS 15WILSON 254018 DUQ	198	235104-239280 01CABOT -02CRNBRY 1; 235703-239280	APS	DUQ	9	-1	0	0	9	1
PLYMTG 3 213908 PECO WHITPAN3 214037 PECO	206	01WYLIE R -02CRNBRY 1	PECO	PECO	0	0	6	5.32	6	5.32
CUMB TR2 207950 PPL JUNI BU1 208004 PPL	210	213525-214213 CROMBY 5 -LOCK 1	PPL	PPL	0	0	29	2.65	29	2.65
207955-208005 DAUP TR2 -JUNI BU2 1										
DRESDEN ; R270717 COMED DRESDEN ;3M275180 COMED	215	270717-270737 DRESDEN ; R-ELWOOD ; R1	COMED	COMED	150	-29.44	0	0	150	29.44
PLYMTG 3 213908 PECO WHITPAN3 214037 PECO	281	213907-214036 PLYMTG 2 -WHITPAN2 1	PECO	PECO	0	0	1	0.02	1	0.02
26ERIE E 200654 PENELEC 26FOURMILE 200928 PENELEC	307	135398-200942 SW345 -26PIERCEBRK 1	PENELEC	PENELEC	675	-34.56	0	0	675	34.56
06CLIFTY 248000 AEP 7TRIMBLE 324114 LKE	338	243208-243209 05JEFRSO -05ROCKPT 1	AEP	LKE	0	0	181	39.39	181	39.39
7DAVIESS 324104 LKE 7COLEMAN 340563 BREC	338	243208-243209 05JEFRSO -05ROCKPT 1	LKE	BREC	0	0	87	9.68	87	9.68
4SIOUX 2 345764 AMMO 4MISS T 1 347712 AMIL	344	345755-347713 4SIOUX 1 -4MISS T 3 1; 347713-348152	AMMO	AMIL	91	-1.03	0	0	91	1.03
5HNBL 1 344697 AMMO 5PALMYRA 345437 AMMO	346	4MISS T 3 -4ROXFORD1 1	AMMO	AMIL	0	0	4	0.66	4	0.66
5THMHIL 300120 AECIZ 5ADAIR1 344004 AMMO	346	345230-345992 7MONTGMRY -7SPENCER 1	AECIZ	AMMO	59	-5.27	0	0	59	5.27
7NEOGA 347821 AMIL 7HOLLAND 348491 AMIL	347	345230-345992 7MONTGMRY -7SPENCER 1	AMIL	AMIL	0	0	9	0.23	9	0.23
5FREDTN 300079 AECIZ 5FREDTOWN 344586 AMMO	348	346895-347945 7COFFEEN -7PANA 1	AECIZ	AMMO	0	0	239	80.22	239	80.22
4FARMGTN 344560 AMMO 4RIVMIN 2 345610 AMMO	348	344974-345773 7LUTESVIL -7ST FRANC 1	AMMO	AMMO	0	0	2	5.11	2	5.11
5MORILTON.EI337921 EES-ARK 5GLEASON 337927 EES-ARK	352	344974-345773 7LUTESVIL -7ST FRANC 1	EES-ARK	EES-ARK	449	-148.98	0	0	449	148.98
05FALL C 243292 AEP 08NEWCAS 249810 DUK-IN	359	337922-337937 8P.HILL% -8MAYFLOWER% 1	AEP	DUK-IN	389	-37.47	0	0	389	37.47
5MONTCT 300099 AECIZ 5WLMSBG 300523 AECIZ	362	243222-243292 05FALL C -05FALL C 2	AECIZ	AECIZ	0	0	122	3.16	122	3.16
BYRON 5 613070 SMP GRE-PL VLLY5615307 GRE	376	345088-345230 7MCCREDIE -7MONTGMRY 1; 345088-345408 7MCCREDIE -7OVERTON 1	SMP	GRE	0	0	38	5.87	38	5.87
		613060-615306 BYRON 3 -GRE-PL VLLY31								

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
KELLOGG5 635221 MEC LEEDS 5 635226 MEC	384	635200-652564 RAUN 3 -SIOUXCY3 1	MEC	MEC	1	-0.01	0	0	1	0.01
PLYMOTH5 635223 MEC LEEDS 5 635226 MEC	384	635200-652564 RAUN 3 -SIOUXCY3 1	MEC	MEC	0	0	2	0.03	2	0.03
POWESHK5 631113 ALTW REASNOR5 631117 ALTW	387	635680-635730 BONDRNT3 -MNTZUMA3 1	ALTW	ALTW	0	0	8	0.52	8	0.52
REASNOR5 631117 ALTW RISING SUN 5635675 MEC	387	635680-635730 BONDRNT3 -MNTZUMA3 1	ALTW	MEC	0	0	1	0.03	1	0.03
RAUN 3 635200 MEC HIGHLND 3 635400 MEC	388	631138-635368 LAKEFLD3 -OBRIEN 3 1	MEC	MEC	0	0	162	8.17	162	8.17
GARDEN PL; 271543 COMED ESS H71 ;BT272512 COMED	389	270864-631141 QUAD 1 3-11 -ROCK CK3 1	COMED	COMED	0	0	4	4.3	4	4.3
WABACO 5 681532 DPC ROCHSTR5 681537 DPC	393	601014-601028 AS KING3 -EAU CL 3 1	DPC	DPC	0	0	12	0.12	12	0.12
PT BCH3 699211 WEC KEWAUNEE 699630 WPS	397	694022-699359 FOXRIVER B1 -N APPLETON 1	WEC	WPS	21	-2.31	0	0	21	2.31
OAKVIEW 698988 WEC ROOT RVR 699316 WEC	402	699432-699471 PLS PR1 -RACINE1 1	WEC	WEC	47	-2.37	0	0	47	2.37
QUAD 1 3-11 270864 COMED ROCK CK3 631141 ALTW	414	270866-636610 QUAD 6-7 -SUB 91 3 1	COMED	ALTW	40	-2.29	0	0	40	2.29
NFL 138 699175 ALTE AVIATION 699677 WPS	415	694072-699669 SFL 345 B4 -FTZGERLD 1; 699359-699669 N	ALTE	WPS	149	-12.33	0	0	149	12.33
BLUMND6 698865 WEC BUTLER 699268 WEC	422	699253-699329 ARCADN1 -GRANVL1 1	WEC	WEC	1	-0.02	0	0	1	0.02
ACEC BADGERW698840 ALTE PETENWEL 699808 WPS	430	601028-694003 EAU CL 3 -ARPIN B4 1	ALTE	WPS	0	0	170	7.87	170	7.87
7RUSH 1 345667 AMMO 7RUSH 2 345668 AMMO	439	346992-360002 7E W FKFT -7SHAWNEE FP 1	AMMO	AMMO	4	-0.02	0	0	4	0.02
5RENSHAW 350218 SIPC 5MARIONCT 350225 SIPC	439	346992-360002 7E W FKFT -7SHAWNEE FP 1	SIPC	SIPC	0	0	13	10.56	13	10.56
NW_BELOIT 698058 ALTE PAD 138 699059 ALTE	449	699059-699141 PAD 138 -TOWNLINE 1	ALTE	ALTE	0	0	20	1.12	20	1.12
08BLOOM 249605 DUK-IN 08DENOIS 249613 DUK-IN	452	249502-249506 08BEDFRD -08COLMBU 1	DUK-IN	DUK-IN	22	-25.42	0	0	22	25.42
07RATTAP 248428 HE 16PETE 254638 IPL	453	248773-248792 07MEROM5 -07WORTHN 1	HE	IPL	0	0	398	58.23	398	58.23
08CLOVDL 249708 DUK-IN 08STILVL 249855 DUK-IN	454	249505-249516 08CAYUGA -08NUCOR 1	DUK-IN	DUK-IN	14	-11.1	0	0	14	11.1
3ELLIOTT+ 337062 EES-MS 3S.GRENADA! 337063 EES-MS	457	337009-337010 8MCADAMS% -8WOLFCREEK% 1	EES-MS	EES-MS	0	0	54	11.4	54	11.4
08CAYUGA 249608 DUK-IN 08VDSBRG 249632 DUK-IN	478	249608-249615 08CAYUGA -08FRNKFT 1	DUK-IN	DUK-IN	4	-5.6	0	0	4	5.6
BONDRNT3 635680 MEC MNTZUMA3 635730 MEC	510	631142-631148 ARNOLD 3 -MORGANV3 1	MEC	MEC	8	-0.13	0	0	8	0.13
ARNOLD 5 631088 ALTW DWNTWN IND5 631188 ALTW	510	631142-631148 ARNOLD 3 -MORGANV3 1	ALTW	ALTW	1	-0.07	0	0	1	0.07
NIW 5 631036 ALTW COLBY5 631202 ALTW	513	631139-631144 HAZLTON3 -MITCHLCO3 1	ALTW	ALTW	1	-0.06	1	0.99	2	1.05
19STCPP 264656 DECO 19STCPP 264830 DECO	550	160050-264656 LAMBTON_L4D -19STCPP 1	DECO	DECO	1	0	706	0	707	0
19BUNCE1 264536 DECO 19FITZ 265228 DECO	550	160050-264656 LAMBTON_L4D -19STCPP 1	DECO	DECO	61	0	377	0	438	0
CEDRSAUK B4 694007 WEC EDG BUS2 694009 ALTE	557	698870-699865 GRANVL2 -SEC 1	WEC	ALTE	0	0	125	18.59	125	18.59
ELKHT L 699299 WEC FOREST J 699533 WEC	557	698870-699865 GRANVL2 -SEC 1	WEC	WEC	0	0	11	11.02	11	11.02
HARBOR-1 699332 WEC KANSAS-6 699344 WEC	559	699344-699366 KANSAS-6 -NORWCH N 1	WEC	WEC	0	0	3	0.38	3	0.38
AVOCA 5 504000 SPP-C EROGERS5 506931 SPP-C	561	506935-549984 FLINTCR7 -BROOKLINE 71	SPP-C	SPP-C	0	0	73	9	73	9
BEAVER 5 505480 SPP-C EUREKA 5 506932 SPP-C	561	506935-549984 FLINTCR7 -BROOKLINE 71	SPP-C	SPP-C	10	-3.02	0	0	10	3.02
7BLACKBERRY 300739 AECIZ 7JASPER 300949 AECIZ	561	506935-549984 FLINTCR7 -BROOKLINE 71	AECIZ	AECIZ	13	-3.14	0	0	13	3.14
3COUCH% 337502 EES-ARK 3LEWISVILLE#338874 EES-ARK	581	337376-508809 7SAREPTA% -LONGWD 7 1	EES-ARK	EES-ARK	2	-1.86	0	0	2	1.86
3PATMOS.W# 338875 EES-ARK FULTON 3 503912 SPP-C	581	337376-508809 7SAREPTA% -LONGWD 7 1	EES-ARK	SPP-C	0	0	229	8.12	229	8.12
JNSKAMO4 514906 SPP-C ARCADIA4 514907 SPP-C	582	514880-514908 NORTHST7 -ARCADIA7 1	SPP-C	SPP-C	0	0	37	62.66	37	62.66
OKMULGE4 510898 SPP-C EC.HEN-4 510923 SPP-C	584	510898-510931 OKMULGE4 -KELCO 4 1	SPP-C	SPP-C	1	-0.06	0	0	1	0.06
TAHLQH 5 512655 SPP-C HWY59 5 515347 SPP-C	590	515224-515302 MUSKOGEE7 -FTSMITH7 1	SPP-C	SPP-C	70	-63.42	0	0	70	63.42
LONEOAK4 510897 SPP-C ENOWILT4 510944 SPP-C	592	510907-510911 PITTSB-7 -VALIANT7 1	SPP-C	SPP-C	124	-117.05	0	0	124	117.05
TUPELO 4 505600 SPP-C TUPLOTP4 521071 SPP-C	592	510907-510911 PITTSB-7 -VALIANT7 1	SPP-C	SPP-C	0	0	625	163.52	625	163.52
MIDWEST4 514946 SPP-C FRNKLSN4 520917 SPP-C	596	521026-521084 PHAROAH4 -WETUMKA4 1	SPP-C	SPP-C	1	-1.06	0	0	1	1.06
RAUN 5 635201 MEC TEKAMAH5 640377 NPPD	599	635200-645451 RAUN 3 -S3451 3 1	MEC	NPPD	36	-5.16	0	0	36	5.16
MIDLTNT4 514804 SPP-C PECKHMT4 515381 SPP-C	608	515543-532798 RENFROW7 -VIOLA 7 1	SPP-C	SPP-C	0	0	1	0.06	1	0.06

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
5MORGAN 300101 AECIZ STOCKTN5 505498 SPP-C	612	300045-549984 7MORGAN -BROOKLINE 71	AECIZ	SPP-C	0	0	3	1.57	3	1.57
WINDFRM4 515785 SPP-C MOORLND4 520999 SPP-C	618	514785- 98541 WOODWRD4 -YBUS1457 1	SPP-C	SPP-C	2	-0.06	0	0	2	0.06
S3456 3 645456 OPPD S3458 3 645458 OPPD	625	645455-645740 S3455 3 -S3740 3 1	OPPD	OPPD	0	0	313	33.7	313	33.7
MOORE 3 640277 NPPD NW68HOLDRG3 650114 LES	627	650185-650189 WAGENER 3 -103&ROKEBY3 1	NPPD	LES	166	-25.99	0	0	166	25.99
3ALTO_LA 337331 EES-LA 3SWARTZ! 337390 EES-LA	632	336830-337427 8BXTRWILSON%-8PERRYVILLE%1	EES-LA	EES-LA	0	0	32	6.25	32	6.25
3CARSON 337450 EES-LA 3DELHI_RX 337453 EES-LA	632	336830-337427 8BXTRWILSON%-8PERRYVILLE%1	EES-LA	EES-LA	294	-129.81	0	0	294	129.81
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	632	336830-337427 8BXTRWILSON%-8PERRYVILLE%1	EES-LA	EES-LA	0	0	1	0.01	1	0.01
6RUSSEL 339100 SE 6LEXINGTON 380104 SE	636	380003-380011 8NORCROSS -8S HALL 1; 381341-383000	SE	SE	12	-0.49	0	0	12	0.49
6NEWPORT 306333 NC-SC 6VCS1_2 371112 NC-SC	648	6NANCY HART -6HW ENERGY 1	NC-SC	NC-SC	0	0	753	59.11	753	59.11
HIGH RCK 339003 NC-SC TUCKERTN 339005 NC-SC	649	312716-312727 6NEWBER -6GWD CO 1	NC-SC	NC-SC	0	0	107	58.08	107	58.08
5KNOX TN 360458 TVAZ 5DOUGLAS HP 360465 TVAZ	668	306850-306848 8PL GRDN -6PL GRDN 5	NC-SC	NC-SC	0	0	107	58.08	107	58.08
8OCONEE 306008 NC-SC 8S HALL 380011 SE	670	360097-360102 8VOLUNTEER -8PHIPPS B NP1	TVAZ	TVAZ	11	-28.21	0	0	11	28.21
5ROBBINS 308485 NC-SC 5SANTEETLAH 375031 TVAZ	670	380021-382499 8MOSTELLER -8CONASAUGA 1	NC-SC	SE	25	-0.83	0	0	25	0.83
5ALBERTVILLE360283 TVAZ 5ATTALLA5 384332 SE	670	380021-382499 8MOSTELLER -8CONASAUGA 1	NC-SC	TVAZ	0	0	68	13.09	68	13.09
8VOLUNTEER 360097 TVAZ 8PHIPPS B NP360102 TVAZ	670	380021-382499 8MOSTELLER -8CONASAUGA 1	TVAZ	SE	37	-9.21	0	0	37	9.21
MIRRO 698600 WPS N.EAST 698601 WPS	679	380021-382499 8MOSTELLER -8CONASAUGA 1	TVAZ	TVAZ	3	-1.55	0	0	3	1.55
17GOODLAND 255129 NIPS 17GOODLAND 255319 NIPS	681	698590-698598 SHOTO -MANRAP 1	WPS	WPS	6	-0.17	0	0	6	0.17
FRANKLN5 636230 MEC WALL LK5 636235 MEC	688	255129-255173 17GOODLAND -17REYNOLDS 1; 255129-	NIPS	NIPS	766	-34.48	0	0	766	34.48
16GUION 254523 IPL 16GUION 254601 IPL	697	255319 17GOODLAND -17GOODLAND 2	MEC	MEC	0	0	1	0.06	1	0.06
08WAB R 249633 DUK-IN 08WAB R 249869 DUK-IN	711	635600-636010 GRIMES 3 -LEHIGH 3 1	IPL	IPL	286	-33.94	0	0	286	33.94
TRIBOJI J1 8630023 ALTW WAHPETN8 630474 ALTW	713	254523-254601 16GUION -16GUION S; 254523-254532	DUK-IN	DUK-IN	2	-0.08	0	0	2	0.08
LAKEFLD L1 5631041 ALTW DKS_N_CO5 631124 ALTW	713	16GUION -16ROCKVL 0	ALTW	ALTW	78	-18.2	0	0	78	18.2
BRAIDWOOD; B270670 COMED E FRANKFO; B270728 COMED	721	631183-656570 CAYLER5 -WISDOM5 1	ALTW	ALTW	0	0	6	0.12	6	0.12
LOCKPORT ; B270810 COMED KENDALL ;BU274702 COMED	726	631183-656570 CAYLER5 -WISDOM5 1	COMED	COMED	10	-0.44	0	0	10	0.44
4LTV STL NTP348919 AMIL 4PRINCETN TP348921 AMIL	727	270670-270671 BRAIDWOOD; B-BRAIDWOOD; RZ; 270670-270710 BRAIDWOOD; B-DAVIS CRK; B1; 270710-275174 DAVIS CRK; B-DAVIS CRK;3M1	COMED	COMED	0	0	2	0.03	2	0.03
4KEWANEE STP348924 AMIL 4KEWANEE S 348974 AMIL	727	270710-270853 DRESDEN ; R-PONTIAC ; R1; 275210-272261 PONTIAC ;2M-PONTIAC ; R1; 275310-275210 PONTIAC ;2C-PONTIAC ;2M1	AMIL	AMIL	0	0	1309	133.96	1309	133.96
LORETTO ; B270704 COMED WILTON ; B270926 COMED	728	271838-348923 KEWANEE ;13-4KEWANEE N Z	AMIL	AMIL	0	0	30	1.47	30	1.47
MAZON ; R271987 COMED OGLESBY ; T272189 COMED	729	270717-270853 DRESDEN ; R-PONTIAC ; R1; 275210-272261 PONTIAC ;2M-PONTIAC ; R1; 275310-275210 PONTIAC ;2C-PONTIAC ;2M1	COMED	COMED	115	-7.03	0	0	115	7.03
BONDRNT3 635680 MEC MNTZUMA3 635730 MEC	730	271844-271908 KICKAPOO ; B-LASCO STA; B1	COMED	COMED	0	0	183	35.17	183	35.17
WABACO 5 681532 DPC ROCHSTR5 681537 DPC	731	631139-636199 HAZLTON3 -BLACKHAWK 3 1	MEC	MEC	1	0	0	0	1	0
5MATANZAS 324173 LKE 5WLSNBR 340553 BREC	734	601039-601044 NROC 3 -BRIGGS RD 3 1	DPC	DPC	0	0	756	57.01	756	57.01
MT VERN5 631073 ALTW WYOMING5 631099 ALTW	735	324144-340553 5GR RVR -5WLSNBR 1	LKE	BREC	0	0	2005	292.12	2005	292.12
CHERRY VA; B270694 COMED CHERRY VA;2M275166 COMED	738	631139-631191 HAZLTON3 -HCKRYCK3 1	ALTW	ALTW	7	-1.91	0	0	7	1.91
TOLLWAY ; B 270900 COMED TOLLWAY ;3M275225 COMED	739	270918-275231 WEMPLETOW; B-WEMPLETOW;4M1	COMED	COMED	3	-7.66	0	0	3	7.66
TOLLWAY ; B 270900 COMED TOLLWAY ;3M275225 COMED	740	272486-272740 S ELGIN ;BT-WAYNE ; B1	COMED	COMED	261	-7.45	0	0	261	7.45
17AETNA 255115 NIPS 17LK_GEORGE 255149 NIPS	743	272487-272741 S ELGIN ;RT-WAYNE ; R1	COMED	COMED	102	-1.13	0	0	102	1.13
	743	255149-255155 17LK_GEORGE -17MILLER 1	NIPS	NIPS	0	0	49	2.38	49	2.38

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
DARDANES 505508 SPP-C CLARKSV5 505514 SPP-C	745	337909-515305 8ANO% -FTSMITH8 1	SPP-C	SPP-C	0	0	2	0.11	2	0.11
4CHAMPAGNE! 335455 EES-LA PLAISAN4 500720 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	EES-LA	CLEC	0	0	208	8.38	208	8.38
COUGH 4 500230 CLEC MANUEL 4 500540 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	CLEC	CLEC	103	-5.86	0	0	103	5.86
COUGH 4 500230 CLEC PLAISAN4 500720 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	CLEC	CLEC	70	-24.69	0	0	70	24.69
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	747	500190-500880 COCODR 6 -VILPLT 6 1	EES-LA	EES-LA	34	-0.09	0	0	34	0.09
4RICHARD% 335366 LAGN EUNICE 4 500300 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	LAGN	CLEC	0	0	75	1.27	75	1.27
6BOGALUS! 336136 EES-LA BARKERS 6 500025 CLEC	749	335836-336562 8MCKNIGHT% -8FRANKLIN% 1	EES-LA	CLEC	1	-0.01	0	0	1	0.01
8BOGALUS 336130 EES-LA 6ADMSCRK% 336131 EES-LA	749	335836-336562 8MCKNIGHT% -8FRANKLIN% 1	EES-LA	EES-LA	211	-11.2	0	0	211	11.2
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	749	335836-336562 8MCKNIGHT% -8FRANKLIN% 1	EES-LA	EES-LA	0	0	96	1.29	96	1.29
BVISTA 4 500060 CLEC ELPTAP 4 500290 CLEC	750	335368-335500 8WELLS% -8WEBRE% 1	CLEC	CLEC	11	-0.17	0	0	11	0.17
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	750	335368-335500 8WELLS% -8WEBRE% 1	EES-LA	EES-LA	5	-0.01	107	0.38	112	0.39
3TRUSSEL_CR 303310 LAGN 3REESE 337380 EES-LA	751	337561-337562 8EL DORADO% -7EL DORADO 1	LAGN	EES-LA	6	-7.02	0	0	6	7.02
5HORN LAKE% 337181 EES-MS 5ALLEN FP 360174 TVAZ	752	360023- 98868 8FREEPORT TN-YBUS1130 1	EES-MS	TVAZ	748	-77.33	0	0	748	77.33
4NELSON% 335200 EES-LA 4LC_BULK_N! 335210 EES-LA	754	335192-335367 8NELSON% -8RICHARD% 1	EES-LA	EES-LA	18	-1.24	0	0	18	1.24
6AMELIA! 334327 EES-TX 6HELBIG% 334360 EES-TX	755	334320-334325 8CYPRESS% -8HARTBRG% 1	EES-TX	EES-TX	0	0	1	0.17	1	0.17
3CABOT 338006 EES-ARK 3HOLND BTM! 338016 EES-ARK	759	338140-338145 8HOLND BTM% -8ISES% 1	EES-ARK	EES-ARK	0	0	1	0.12	1	0.12
8KEO% 337957 EES-ARK 8W.MEMPHIS% 338162 EES-ARK	767	338187-338188 8DELL% -8SANS SOUCI%1	EES-ARK	EES-ARK	7	-0.41	0	0	7	0.41
3MENDENHALL 336762 EES-MS 3STAR 336763 EES-MS	781	336130-336562 8BOGALUS -8FRANKLIN% 1	EES-MS	EES-MS	0	0	30	2.35	30	2.35
5STEELE! 338194 EES-ARK 5BLYTHVL.N#%338804 EES-ARK	790	301406-338187 8WNEWMADRID -8DELL% 1	EES-ARK	EES-ARK	4	-0.04	0	0	4	0.04
3ELLIOTT+ 337062 EES-MS 3S.GRENADA! 337063 EES-MS	791	337000-337011 6MCADAMS% -6ATTALA 1	EES-MS	EES-MS	0	0	2	7.15	2	7.15
3STANDARD! 337340 EES-LA 3WINNFIELD! 337343 EES-LA	793	337420-337561 8STERLING% -8EL DORADO% 1	EES-LA	EES-LA	0	0	1055	30.91	1055	30.91
3REED% 337600 EES-ARK 3DUMAS% 337602 EES-ARK	793	337420-337561 8STERLING% -8EL DORADO% 1	EES-ARK	EES-ARK	0	0	156	15.73	156	15.73
6CANTON 336866 EES-MS 6PICKENS! 337015 EES-MS	800	336945-337009 8LAKEOVER% -8MCADAMS% 1	EES-MS	EES-MS	0	0	72	12.16	72	12.16
6ESSO% 335642 EES-LA 6DELMONT 335664 EES-LA	811	303005-335500 8BIG_CAJUN2%-8WEBRE% 1	EES-LA	EES-LA	5	-1.59	0	0	5	1.59
3BEAVER_CRK!337310 EES-LA BC PST 4 500070 CLEC	817	337343-337341 3WINNFIELD! -6WINNFIELD! 1	EES-LA	CLEC	0	0	135	0.35	135	0.35
8DELL% 338187 EES-ARK 8SANS SOUCI%338188 EES-ARK	828	338162-360075 8W.MEMPHIS% -8BHAM STEEL 1	EES-ARK	EES-ARK	26	-0.27	0	0	26	0.27
8SANS SOUCI%338188 EES-ARK 8DRIVER% 338198 EES-ARK	828	338162-360075 8W.MEMPHIS% -8BHAM STEEL 1	EES-ARK	EES-ARK	1059	-24.67	0	0	1059	24.67
3COUCH% 337502 EES-ARK 3MCNEIL! 337516 EES-ARK	850	337664-337685 3FRNDSHIP AR-3HS EHV-W! 1	EES-ARK	EES-ARK	0	0	4	6.68	4	6.68
6CROSSROADS!337100 EES-MS 3CLARKMUN 500164 CLEC	867	337100-337107 6CROSSROADS!-6MOONLAKE% 1	EES-MS	CLEC	78	-8.28	0	0	78	8.28
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	871	337304-500200 6MONTGOMERY!-COLFAX 6 1	EES-LA	EES-LA	4	-0.01	11	0.05	15	0.06
8MABELVALE% 337808 EES-ARK 8WRIGHTSVLE%337860 EES-ARK	880	337651-337957 8WHT BLUFF% -8KEO% 1	EES-ARK	EES-ARK	14	-0.19	0	0	14	0.19
5HARRISON.E!338104 EES-ARK 5SUMMIT 338121 EES-ARK	893	338108-338110 5ST JOE -5HILLTOP% 1	EES-ARK	EES-ARK	0	0	3	0.3	3	0.3

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
3NATCHEZSE5%336500 EES-MS 3RED_GUM! 337327 EES-LA	897	337320-337321 3PLANTATION!-3VIDALIA_LA 1	EES-MS	EES-LA	0	0	1765	179.69	1765	179.69
3S_FERDAY_TP337319 EES-LA 3PLANTATION!337320 EES-LA	897	337320-337321 3PLANTATION!-3VIDALIA_LA 1	EES-LA	EES-LA	0	0	368	38.02	368	38.02
8FRANKLIN% 336562 EES-MS 8R.BRASWELL%336839 EES-MS	913	336562-336820 8FRANKLIN% -8GGNS% 1	EES-MS	EES-MS	0	0	4	0.1	4	0.1
3MENDENHALL 336762 EES-MS 3STAR 336763 EES-MS	916	360654-360688 8CHOCTAW MS -8CLAY 1	EES-MS	EES-MS	0	0	989	59.18	989	59.18
3GREENWOOD+ 337023 EES-MS 3GREENWOOD! 337054 EES-MS	916	360654-360688 8CHOCTAW MS -8CLAY 1	EES-MS	EES-MS	32	-6.6	0	0	32	6.6
5BATESVILLE 360214 TVAZ 5TALLHACH IP361402 TVAZ	916	360654-360688 8CHOCTAW MS -8CLAY 1	TVAZ	TVAZ	357	-59.84	0	0	357	59.84
4SPLENDRI 334118 EES-TX 4JACINTO% 334208 EES-TX	946	334203-334204 6CHPTSR1 -6CHINA% 1	EES-TX	EES-TX	0	0	17	27.25	17	27.25
3BEAVER_CRK!337310 EES-LA 3JENA 337312 EES-LA	959	500200-500770 COLFAX 6 -RODEMR 6 1	EES-LA	EES-LA	11	-0.04	0	0	11	0.04
5BATESVL 318301 SMEPA 5BATESVILLE 360214 TVAZ	978	318301-360214 5BATESVL -5BATESVILLE 2	SMEPA	TVAZ	408	-40.53	0	0	408	40.53
YBUS1130 98868 TVAZ 8FREEPORT TN360023 TVA	981	360023-360025 8FREEPORT TN-8CORDOVA TN 1	TVAZ	TVA	0	0	273	21.22	273	21.22
5SEQUOYAH NP360082 TVAZ 5CONCORD TN 360413 TVAZ	1007	360081-360662 8SEQUOYAH NP-8BRADLEY TN 1	TVAZ	TVAZ	806	-169.83	0	0	806	169.83
5CLAY 360689 TVAZ 5ABERD MS TP361121 TVAZ	1013	360035-360688 8WEST POINT -8CLAY Z	TVAZ	TVAZ	352	-93.92	0	0	352	93.92
MARYVLE5 541251 MPS CLRND 5 635034 MEC	1025	300097-652560 5MARYVL -CRESTON5 1	MPS	MEC	10	-3.14	0	0	10	3.14
YBUS1417 98581 SPP-C AFTON 5 512632 GRDA	1037	512631-512632 MIAMI 5 -AFTON 5 1	SPP-C	GRDA	0	0	41	12.9	41	12.9
3MAGEE! 336760 EES-MS 3COLLINS 388280 SE	1047	388270-388310 6HATBG SW6 -6PURVIS B1 1	EES-MS	SE	1	-0.06	0	0	1	0.06
7OVERTON 345408 AMMO 5OVERTON 345409 AMMO	1056	345088-345408 7MCCREDIE -7OVERTON 1	AMMO	AMMO	1	-0.01	0	0	1	0.01
5THMHIL 300120 AECIZ 5ADAIR1 344004 AMMO	1058	345435-345992 7MAYWOOD -7SPENCER 1	AECIZ	AMMO	53	-14.64	0	0	53	14.64
5SPALDNG 300058 AECIZ 5MARN TAP 345034 AMMO	1058	345435-345992 7MAYWOOD -7SPENCER 1	AECIZ	AMMO	0	0	13	3.58	13	3.58
5MOBTAP 300126 AECIZ 5MOBERLY 345221 AMMO	1063	300120-543062 5THMHIL -SALSBRYS 1	AECIZ	AMMO	12	-2.81	0	0	12	2.81
6N SELMA6 384489 SE 6HARRIS SS 385500 SE	1070	384375-384374 8S.BESS 8 -6S.BESS 6 1	SE	SE	0	0	42	1.93	42	1.93
8WID CRK FP 360065 TVAZ 8SEQUOYAH NP360081 TVAZ	1072	360050-360052 8MAURY TN -8BR FERRY NP1	TVAZ	TVAZ	1	-0.15	0	0	1	0.15
YBUS737 99261 IPL 16PETE 254529 IPL	1075	254529- 99260 16PETE -YBUS738 W	IPL	IPL	0	0	105	5.92	105	5.92
LAMBTON_L4D 160050 IESO 19STCPP 264656 DECO	1077	160065-264830 LAMBTON_L51D-19STCPP 1	IESO	DECO	1025	0	162	0	1187	0
MOSES E 147839 NY ST_LAWR_L33P155072 IESO	1078	147839-155073 MOSES E -ST_LAWR_L34P1	NY	IESO	0	0	6736	11.97	6736	11.97
MOSES E 147839 NY ST_LAWR_L34P155073 IESO	1079	147839-155072 MOSES E -ST_LAWR_L33P1	NY	IESO	0	0	6942	15.96	6942	15.96
YBUS2578 97420 BEPC LELANDO3 659105 WAPA	1081	659105- 97421 LELANDO3 -YBUS2577 1	BEPC	WAPA	0	0	2292	128.87	2292	128.87
YBUS1353 98645 SPP-C CATSAGR5 512638 AEPW	1082	512638- 98646 CATSAGR5 -YBUS1352 1	SPP-C	AEPW	0	0	555	78.76	555	78.76
YBUS1489 98509 SPP-C SEMINOL7 515045 OKGE	1084	515045- 98510 SEMINOL7 -YBUS1488 1	SPP-C	OKGE	0	0	39	20.8	39	20.8
YBUS1409 98589 SPP-C SHAM 3WT 512107 AEPW	1092	511541-511557 SWEETWT6 -CHISHOLM6 1	SPP-C	AEPW	0	0	669	179.35	669	179.35
05FALL C 243222 AEP 16SUNNYS 254535 IPL	1095	249529-254523 08WHITST -16GUION 1	AEP	IPL	5	-0.29	0	0	5	0.29
02LALLENDORF241901 DECO 19MON12 264612 FE-ATSI	1099	238530-256583 02ALLEN -18MOROCCO 1; 264594-264613	DECO	FE-ATSI	0	0	889	71.71	889	71.71
19BAXTR 264519 DECO 19DIG 264562 DECO	1101	19LULU -19MON34 1	DECO	DECO	0	0	1293	9.47	1293	9.47
19DIG 264562 DECO 19DIGTP 264610 DECO	1101	264610-264616 19DIGTP -19NAVAR 1	DECO	DECO	0	0	0	0	6	0
		264610-264616 19DIGTP -19NAVAR 1	DECO	DECO	6	0	0	0	6	0
		264594-264839 19LULU -19MILAN 1; 238530-256583								
02LALLENDORF241901 DECO 19MON12 264612 FE-ATSI	1102	02ALLEN -18MOROCCO 1	DECO	FE-ATSI	0	0	1	0.01	1	0.01
GRE-STANTON4615901 GRE SQBUTTE4 657756 MPC	1117	615600-615001 GRE-COAL CR4-GRE-COAL 41G1	GRE	MPC	0	0	1406	2.67	1406	2.67
GRE-STANTON4615901 GRE SQBUTTE4 657756 MPC	1118	615600-615002 GRE-COAL CR4-GRE-COAL 42G1	GRE	MPC	0	0	406	0.33	406	0.33
CENTER 4 657751 MPC SQBUTTE4 657756 MPC	1119	620358-620369 BUFFALO3 -JAMESTN3 1	MPC	MPC	0	0	41	0.08	41	0.08
HANKSON4 620327 OTP WAHPETN4 620329 OTP	1119	620358-620369 BUFFALO3 -JAMESTN3 1	OTP	OTP	307	-29.23	0	0	307	29.23
NEOSHO 5 532937 WR RIV4525 547469 EDE	1130	532932-547476 LITCH 5 -ASB349 5 1	WR	EDE	44	-1.14	0	0	44	1.14

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
TWIN CH4 640386 NPPD SIOUXCY4 652565 WAUE	1133	635200-640226 RAUN 3 -HOSKINS3 1	NPPD	WAUE	0	0	155	44.65	155	44.65
CMRIVTP3 539652 SECI E-LIBER3 539672 SECI	1135	539640-539777 HAYNE3 -NLIBTAP-B3 1	SECI	SECI	3644	-1.92	2	0.01	3646	1.93
YBUS1731 98267 SPP-C EDDY_NORTH 6527799 SPS	1137	527799-527800 EDDY_NORTH 6-EDDY_SOUTH 61	SPP-C	SPS	0	0	6	0.32	6	0.32
SPRGFLD5 505492 SPP-C CLAY 5549970 SPRM	1142	300042-300045 7HUBEN -7MORGAN 1	SPP-C	SPRM	8	-8.3	0	0	8	8.3
17GOODLAND 255129 NIPS 17REYNOLDS 255173 NIPS	1145	255319-255352 17GOODLAND -17REMINGTON 9	NIPS	NIPS	1171	-59.73	0	0	1171	59.73
17GOODLAND 255129 NIPS 17REYNOLDS 255173 NIPS	1147	348232-348458 4SHELDONS -4WATSEKA 1	NIPS	NIPS	1543	-80.22	0	0	1543	80.22
17CHICAGO_AV255124 NIPS 17PRAXAIR-3 255169 NIPS	1159	243206-270644 05DUMONT -WILTON ; 1	NIPS	NIPS	1	-0.21	0	0	1	0.21
05DUMONT 243219 AEP 17STILLWELL 255113 NIPS	1159	243206-270644 05DUMONT -WILTON ; 1	AEP	NIPS	0	0	2	0.28	2	0.28
17ROXANA 255172 NIPS STATELINE; B272502 COMED	1159	243206-270644 05DUMONT -WILTON ; 1	NIPS	COMED	0	0	6	0.03	6	0.03
E FRANKFO; B270728 COMED CRETE EC;BP274750 COMED	1159	243206-270644 05DUMONT -WILTON ; 1	COMED	COMED	1	-0.01	0	0	1	0.01
17STJOHN 255112 NIPS CRETE EC;BP274750 COMED	1159	243206-270644 05DUMONT -WILTON ; 1	NIPS	COMED	0	0	1	0.13	1	0.13
7GOOS_CRK 348770 AMIL 7RISING 348882 AMIL	1159	243206-270644 05DUMONT -WILTON ; 1	AMIL	AMIL	3	-0.22	0	0	3	0.22
17STILLWELL 255113 NIPS 17STILLWELL 255180 NIPS	1172	243219-255113 05DUMONT -17STILLWELL 1	NIPS	NIPS	13	-1.47	0	0	13	1.47
4HAVANA S 347212 AMIL 4HAVANA E 348908 AMIL	1173	349661-349740 7DUCK CRK -7MAPLE RIDGE1	AMIL	AMIL	0	0	1	2.34	1	2.34
YBUS1965 98033 KCPL HAWTH 7 542972 KCPL	1184	542972- 98032 HAWTH 7 -YBUS1966 2	KCPL	KCPL	0	0	239	22.48	239	22.48
WABACO 5 681532 DPC ROCHSTR5 681537 DPC	1187	601028-694003 EAU CL 3 -ARPIN B4 1; 601014-601028 AS	DPC	DPC	0	0	14	0.25	14	0.25
4PAXTON E 347972 AMIL 4GIFFORD 348118 AMIL	1197	KING3 -EAU CL 3 1	AMIL	AMIL	5	-0.06	0	0	5	0.06
5MIDWY JRDN#338813 EES-ARK BULL SH5 505460 SPP-C	1199	504440-505460 BUFORD 5 -BULL SH5 1	EES-ARK	SPP-C	0	0	696	139.41	696	139.41
3WOODWARD% 337620 EES-ARK 3ALTHEIMER+ 337962 EES-ARK	1207	337633-337968 6WOODWARD! -6RICUSKEY% 1	EES-ARK	EES-ARK	101	-22.75	0	0	101	22.75
SWISVAL7 532774 WR DOUGLAS7 532776 WR	1217	532775-542977 87TH 7 -CRAIG 7 1	WR	WR	1	-0.01	0	0	1	0.01
MINGO 7 531451 SECI REDWILO3 640325 NPPD	1221	530583-640065 POSTROCK7 -AXTELL 3 1	SECI	NPPD	45	-2.82	0	0	45	2.82
7JOPPA TS 347325 AMIL 5JOPPA TS 351003 AMMO	1225	360001-360002 8SHAWNEE FP -7SHAWNEE FP 1	AMIL	AMMO	10	-0.17	0	0	10	0.17
CBLUFFS5 635001 MEC S1206 5 646206 OPPD	1227	635000-645456 CBLUFFS3 -S3456 3 1	MEC	OPPD	75	-3.05	0	0	75	3.05
SHENDR 340560 BREC 4HENDR 340617 BREC	1242	253620-340562 10ABB345 -7REID 1	BREC	BREC	0	0	70	11.34	70	11.34
02LALLENDORF241901 DECO 19MON12 264612 FE-ATSI	1252	256583-264594 18MOROCCO -19LULU 1; 264594-264839	DECO	FE-ATSI	0	0	3	0.1	3	0.1
7OVERTON 345408 AMMO 5OVERTON 345409 AMMO	1277	19LULU -19MILAN 1	AMMO	AMMO	257	-17.56	0	0	257	17.56
5LOY MARTIN 344040 AMMO 5GUTHRIE 344677 AMMO	1277	345088-345230 7MCCREDIE -7MONTGMRY 1; 300044-	AMMO	AMMO	0	0	2	0.01	2	0.01
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	1284	345088-345230 7MCCREDIE -7MONTGMRY 1; 300044-	EES-LA	EES-LA	0	0	472	7.26	472	7.26
3DODSON 337344 EES-LA 3DANVILLE 337345 EES-LA	1284	345088 7MCCRED -7MCCREDIE Z	EES-LA	EES-LA	0	0	31	7.83	31	7.83
3CABOT 338006 EES-ARK 3HOLND BTM! 338016 EES-ARK	1285	337368-509366 8MT_OLIVE% -LAYFLD8 1	EES-ARK	EES-ARK	0	0	2	1.12	2	1.12
5NEWMAD 300103 AECIZ 5TIPTONVL TN361261 TVAZ	1286	338144-338142 8ISES-XF -5ISES% 1; 338144-338142 8ISES-	AECIZ	TVAZ	126	-4.4	0	0	126	4.4
5MARKEDTREE!338165 EES-ARK 5HARRISBURG+338167 EES-ARK	1286	XF -5ISES% 2	EES-ARK	EES-ARK	0	0	314	40.56	314	40.56
5RIDGELY TN 360521 TVAZ 5TIPTONVL TN361261 TVAZ	1286	338188-338198 8SANS SOUCI%-8DRIVER% 1	TVAZ	TVAZ	0	0	186	30.87	186	30.87
GR JCT 5 631074 ALTW DRAGER5 656283 CBPC	1296	635300-635330 MONONA 5 -CRWFRD 5 1	ALTW	CBPC	0	0	624	36.54	624	36.54
SCOTTAP7 603102 NSP SCOTTCO7 603103 NSP	1302	601015-601055 BLUE LK3 -SCOTTCO3 1	NSP	NSP	0	0	1	0.75	1	0.75

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
LAKEFLD3 631138 ALTW OBRIEN 3 635368 MEC	1306	635200-635400 RAUN 3 -HIGHLND 3 1	ALTW	MEC	0	0	559	33.35	559	33.35
LITTLEF7 608650 MP GRE-LANGLTP7617000 GRE	1311	608617-615319 MUDLAKE4 -GRE-BENTON 41	MP	GRE	0	0	1	1.53	1	1.53
4DIAMSTR TP1348745 AMIL 4MCLEAN CO 348854 AMIL	1318	270853-348847 PONTIAC ; R-7BROKAW 1	AMIL	AMIL	14	-13.6	0	0	14	13.6
WILMART7 603002 NSP SWAN LK7 603003 NSP	1325	601004-601072 WILMART3 -SHEAS LK3 1	NSP	NSP	53	-26.44	0	0	53	26.44
YBUS2652 97346 WPS STONE LK B1 694075 WPS	1327	694107-699676 PERSHING -GARDR PK 1	WPS	WPS	0	0	809	1.57	809	1.57
HOLCOMB7 603150 NSP CORNELL 603224 NSP	1327	694107-699676 PERSHING -GARDR PK 1	NSP	NSP	0	0	633	7.07	633	7.07
SUNNYVAL 699666 WPS SHRMN ST 699704 WPS	1327	694107-699676 PERSHING -GARDR PK 1	WPS	WPS	0	0	57	36.9	57	36.9
HOLCOMB7 603150 NSP PERSHING 7 603281 NSP	1327	694107-699676 PERSHING -GARDR PK 1	NSP	NSP	84	-0.79	0	0	84	0.79
18TITBAW 256290 CONS 18REDSTONE 256542 CONS	1342	256066-256542 18REGAL -18REDSTONE 1	CONS	CONS	0	0	7	0.3	7	0.3
18ALPENA 256042 CONS SPRUCE RD 256272 CONS	1344	256003-256012 18GALAGR -18LVNSTN 1	CONS	CONS	0	0	7	0.07	7	0.07
6LAYFLD 500465 CLEC WKRAFT 6 500910 CLEC	1380	334325-509366 8HARTBRG% -LAYFLD8 1	CLEC	CLEC	6	-0.16	0	0	6	0.16
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	1380	334325-509366 8HARTBRG% -LAYFLD8 1	EES-LA	EES-LA	0	0	136	1.28	136	1.28
COOPER 4 500220 CLEC LEESV 4 500480 CLEC	1380	334325-509366 8HARTBRG% -LAYFLD8 1	CLEC	CLEC	0	0	4	0.12	4	0.12
TENRUSK7 508585 SPP-C CROCKET7 509241 SPP-C	1380	334325-509366 8HARTBRG% -LAYFLD8 1	SPP-C	SPP-C	68	-3.83	0	0	68	3.83
4FORK CK 334281 EES-TX 4RAYBURN% 334282 EES-TX	1384	334028-509241 7GRIMES% -CROCKET7 1	EES-TX	EES-TX	0	0	6	0.48	6	0.48
DOLHILL7 500250 CLEC DOLHILL6 500260 CLEC	1384	334028-509241 7GRIMES% -CROCKET7 1	CLEC	CLEC	124	-1.04	0	0	124	1.04
WAUKEGAN ; R270915 COMED ZION STA ;0B270942 COMED	1385	270914-270940 WAUKEGAN ; B-ZION STA ; B1	COMED	COMED	0	0	6	4.86	6	4.86
NED 161 699010 ALTE NED 138 699020 ALTE	1386	631191-693863 HCKRYCK3 -EDEN 345 1	ALTE	ALTE	1	-0.04	0	0	1	0.04
TRK RIV5 631060 ALTW STONEMAN 681519 DPC	1386	631191-693863 HCKRYCK3 -EDEN 345 1	ALTW	DPC	25	-13.16	0	0	25	13.16
EEN 138 699034 ALTE WYY 138 699115 ALTE	1387	693863-699829 EDEN 345 -CARDINAL 1	ALTE	ALTE	9	-0.27	0	0	9	0.27
07NWTVL1 248435 HE 10NTVL16 253580 SIGE	1388	247851-340563 05ROCKPT -7COLEMAN 1	HE	SIGE	0	0	1	0.03	1	0.03
5BRTAP 340624 BREC 5PARADISE FP360043 TVAZ	1388	247851-340563 05ROCKPT -7COLEMAN 1	BREC	TVAZ	0	0	1	0.01	1	0.01
WILMART7 603002 NSP SWAN LK7 603003 NSP	1401	601050-601072 HELENA 3 -SHEAS LK3 1	NSP	NSP	6	-1.37	0	0	6	1.37
BLK DOG7 603061 NSP WILSON 7 603116 NSP	1402	603061-603204 BLK DOG7 -WILSON TAP7 3	NSP	NSP	14	-3.62	0	0	14	3.62
GRE-MCHENRY7615348 GRE OTP VOLTAIRE620283 OTP	1403	602052-615347 MAGIC CITY 4-GRE-MCHENRY41	GRE	OTP	467	-1.54	0	0	467	1.54
ST LAKES 602017 NSP MINONG 5 608631 MP	1405	601001-601017 FORBES 2 -CHIS-N 2 1	NSP	MP	339	-0.06	0	0	339	0.06
16L TAP7 608718 MP COTTNTP7 608720 MP	1405	601001-601017 FORBES 2 -CHIS-N 2 1	MP	MP	306	-4.29	0	0	306	4.29
ARROWHD7 608673 MP GARY 7 608679 MP	1407	608676-608680 HIBBARD7 -WNTR ST7 1	MP	MP	623	-1.11	0	0	623	1.11
GR RPD57 608740 MP GRE-POKEGTM7618009 GRE	1408	608612-608625 RIVERTN4 -BLCKBRY4 1	MP	GRE	42	-0.69	0	0	42	0.69
NIW 5 631036 ALTW COLBY5 631202 ALTW	1413	601002-631144 ADAMS 3 -MITCHLCO3 1	ALTW	ALTW	0	0	6	3.94	6	3.94
FRANKLN5 636230 MEC WALL LK5 636235 MEC	1415	631197-635369 LEDYARD3 -KOSSUTH 3 1	MEC	MEC	0	0	3	0.2	3	0.2
LAKEFLD3 631138 ALTW OBRIEN 3 635368 MEC	1415	631197-635369 LEDYARD3 -KOSSUTH 3 1	ALTW	MEC	0	0	121	5.64	121	5.64
LAWRENC7 603012 NSP SIOUXFL7 652524 BEPC	1419	602004-652523 SPLT RK4 -SIOUXFL4 1	NSP	BEPC	709	-58.55	0	0	709	58.55
05NEWCAR 243349 AEP 05BOSSERMAN 247489 AEP	1424	243353-247489 05OLIVE -05BOSSERMAN 1	AEP	AEP	89	-27.13	0	0	89	27.13
05OLIVE 243353 AEP 05BOSSERMAN 247489 AEP	1425	243349-243353 05NEWCAR -05OLIVE 1	AEP	AEP	349	-249.42	0	0	349	249.42
07HUBBL8 248831 HE 08BATESV 249691 DUK-IN	1432	243233-249567 05TANNER -08M.FORT 1	HE	DUK-IN	0	0	57	58.94	57	58.94
05TANNER 243233 AEP 06DEARB1 248001 AEP	1432	243233-249567 05TANNER -08M.FORT 1	AEP	AEP	1762	-144.78	0	0	1762	144.78
06DEARB1 248001 AEP 06PIERCE 248013 AEP	1432	243233-249567 05TANNER -08M.FORT 1	AEP	AEP	15	-5.25	0	0	15	5.25
17GARY_AVE 255251 NIPS 17GARY_AVE 255252 NIPS	1439	255111-255251 17SHEFFIELD -17GARY_AVE 1	NIPS	NIPS	40	-6.27	0	0	40	6.27
19STC12 264960 DECO 19LENOX2 264971 DECO	1453	264798-264961 19CRBNTP -19STC10 1	DECO	DECO	8	-0.25	0	0	8	0.25
ALPINE ;R270981 COMED BELVIDERE; R271083 COMED	1457	270694-270883 CHERRY VA; B-SILVER LK; R1	COMED	COMED	3	-7.65	0	0	3	7.65
6ANGIE 303222 LAGN 6ADMSCRK% 336131 EES-LA	1461	303223-336137 6FR_BRANCH -6SLIDEL! 1	LAGN	EES-LA	0	0	243	10.22	243	10.22
3BATESVILLE 361116 TVAZ YBUS1158 98840 TVA	1462	318308-337123 6BATESVL -6BATESVILLE1	TVAZ	TVA	0	0	353	9.91	353	9.91
CAROLTN5 543060 KCPL BRUNS WK5 543061 KCPL	1475	345408-541201 7OVERTON -SIBLEY 7 1	KCPL	KCPL	0	0	7	1.67	7	1.67
7NEOGA 347821 AMIL 4NEOGA 347822 AMIL	1481	346809-347821 7CASEY -7NEOGA 1	AMIL	AMIL	1	-0.01	0	0	1	0.01
WABACO 5 681532 DPC ROCHSTR5 681537 DPC	1506	601043- 97949 BRIGGS RD 5 -YBUS2049 9	DPC	DPC	0	0	33	25.38	33	25.38

Flow Gate				Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
RUGBOTP7	620279	OTP	RUGBY 7 652452 WAUE	1507	615903-620379 GRE-BALTA 4-RUGBY 4 1	OTP	WAUE	2929	-16.05	781	0.54	3710	16.59
DEVILSE7	620265	MPC	DEVIL J7 620267 OTP	1507	615903-620379 GRE-BALTA 4-RUGBY 4 1	MPC	OTP	308	-0.91	0	0	308	0.91
M-TOWN 7	631004	ALTW	BLRSTWN7 631013 ALTW	1508	631000-631083 ABBOTT 5 -TRAER 5 1	ALTW	ALTW	3	-0.76	0	0	3	0.76
TRAER 5	631083	ALTW	DYSART 5 631086 ALTW	1513	631107-631186 JASPER 5 -LAUREL_5 1	ALTW	ALTW	1	0	0	0	1	0
WAPELLO8	630048	ALTW	ELDON 8 630408 ALTW	1514	631110-631111 WAPELLO5 -JEFF 5 1	ALTW	ALTW	5	-1.2	0	0	5	1.2
ADAMS 8	630139	ALTW	ADAMS L2 5 631123 ALTW	1516	631123-681527 ADAMS L2 5 -BVR CRK5 1	ALTW	ALTW	0	0	5	3.97	5	3.97
OSPREY 7	603144	NSP	PERSHING 7 603281 NSP	1527	694076-694107 STONE LK B2 -PERSHING 1	NSP	NSP	0	0	478	11.57	478	11.57
08FVPTS2	249677	DUK-IN	16FVE_T 254591 IPL	1528	249506-249612 08COLMBU -08COLMBU 1	DUK-IN	IPL	0	0	6	0.8	6	0.8
19WTRMN	264690	DECO	19WTRMN4 264984 DECO	1530	264610-264690 19DIGTP -19WTRMN 1	DECO	DECO	1322	-0.44	1	0	1323	0.44
19CANIFP	264730	DECO	19CANIF 264538 DECO	1530	264610-264690 19DIGTP -19WTRMN 1	DECO	DECO	274	-0.1	0	0	274	0.1
6ADDIS%	335536	EES-LA	6TIGER! 335665 EES-LA	1533	336000-336001 6IBERVIL% -6EVGRE! 1	EES-LA	EES-LA	52	-15.01	0	0	52	15.01
LKFLDXL3	601029	NSP	LAKEFLD3 631138 ALTW	1535	601004-631193 WILMART3 -HUNTLEY3 1	NSP	ALTW	0	0	174	4.31	174	4.31
WABACO 5	681532	DPC	ROCHSTR5 681537 DPC	1537	601039-613060 NROC 3 -BYRON 3 1	DPC	DPC	0	0	16	1.64	16	1.64
SHEYNN7	603018	NSP	MAPLTN 7 620203 OTP	1539	601067-620358 BISON 3 -BUFFALO3 1	NSP	OTP	0	0	258	5.34	258	5.34
16L TAP7	608718	MP	COTTNTNP7 608720 MP	1544	608614-608622 98L TAP4 -IRONRNG4 1	MP	MP	526	-6.74	0	0	526	6.74
RUGBOTP7	620279	OTP	RUGBY 7 652452 WAUE	1545	615335-615903 GRE-RAMSEY 4-GRE-BALTA 41	OTP	WAUE	547	-24.58	0	0	547	24.58
HENSEL 7	620257	OTP	LANGDON7 657709 MPC	1546	615335-615907 GRE-RAMSEY 4-GRE-RMSYCB14Z	OTP	MPC	0	0	224	3.94	224	3.94
LANGDON7	657709	MPC	SWEETWA7 657720 MPC	1546	615335-615907 GRE-RAMSEY 4-GRE-RMSYCB14Z	MPC	MPC	0	0	8	0.06	8	0.06
HOOT LK7	620223	OTP	FERGSFL7 658110 MRES	1547	615637-658109 GRE-SILVRLK4-FERGSFL4 1	OTP	MRES	0	0	9	15.43	9	15.43
DEVILSE7	620265	MPC	DEVIL J7 620267 OTP	1548	615908-657755 GRE-RMSYCB24-PRAIRIE4 1	MPC	OTP	6	-0.54	0	0	6	0.54
NIW 5	631036	ALTW	COLBY5 631202 ALTW	1549	631193-631197 HUNTLEY3 -LEDYARD3 1	ALTW	ALTW	0	0	3	1.91	3	1.91
LAKEFLD3	631138	ALTW	OBRIEN 3 635368 MEC	1549	631193-631197 HUNTLEY3 -LEDYARD3 1	ALTW	MEC	0	0	2	0.24	2	0.24
ST LAKE5	602017	NSP	MINONG 5 608631 MP	1551	694078-699449 STONE LK B4 -ARROWHD 1	NSP	MP	1010	-0.64	0	0	1010	0.64
HIBBARD7	608676	MP	WNTR ST7 608680 MP	1551	694078-699449 STONE LK B4 -ARROWHD 1	MP	MP	2477	-5.49	0	0	2477	5.49
18WHITINGW	256320	CONS	SAMARIA 2 259422 CONS	1552	256320-256662 18WHITINGW -18WHITINGB Z	CONS	CONS	1804	-51.7	0	0	1804	51.7
18WHITINGW	256320	CONS	18WHITINGB 256662 CONS	1553	256320-259422 18WHITINGW -SAMARIA 2 1	CONS	CONS	380	-2.51	0	0	380	2.51
19CANIF	264538	DECO	19CORTL 264544 DECO	1554	264530-264561 19BRSTL1 -19FRISB 1	DECO	DECO	179	-0.14	0	0	179	0.14
19BUNCE1	264536	DECO	19FITZ 265228 DECO	1555	264536-264947 19BUNCE1 -19BUNCE2 Z	DECO	DECO	1531	-1.48	1625	0.02	3156	1.5
19MOHIC1	264776	DECO	19STC2 264963 DECO	1555	264536-264947 19BUNCE1 -19BUNCE2 Z	DECO	DECO	0	0	275	0.01	275	0.01
19STC4	264654	DECO	19TWR2497 265056 DECO	1555	264536-264947 19BUNCE1 -19BUNCE2 Z	DECO	DECO	1	0	0	0	1	0
19BRSTL1	264530	DECO	19FRISB 264561 DECO	1556	264538-264544 19CANIF -19CORTL 1	DECO	DECO	524	-2.03	0	0	524	2.03
19CANIF	264538	DECO	19BRSTL4 264983 DECO	1556	264538-264544 19CANIF -19CORTL 1	DECO	DECO	5	-0.01	0	0	5	0.01
19RR1	264647	DECO	19MARON 264767 DECO	1557	264615-264747 19NAVAR -19I-N-RV 1	DECO	DECO	0	0	14	0.01	14	0.01
4ARNOLD 3	344036	AMMO	4MER 1&4 345123 AMMO	1559	344086-345123 4BAUMGT TP2 -4MER 1&4 1	AMMO	AMMO	0	0	1418	59.18	1418	59.18
RUGBOTP7	620279	OTP	RUGBY 7 652452 WAUE	1561	620265-620266 DEVILSE7 -RAMSEY 7 1	OTP	WAUE	7	-0.04	0	0	7	0.04
CLBRTSN7	659112	BEPC	POPLAR 7 661075 BEPC	1562	652421-659262 WILISTN7 -CULBERTSN E71	BEPC	BEPC	1010	-17.66	0	0	1010	17.66
0SRILEYC	243080	AEP	05YELLWC 247000 AEP	1564	239269-242993 02RICHJ -05E.LPSC 1	AEP	AEP	0	0	1519	98.95	1519	98.95
18ALBAJ	256031	CONS	18ALBA 263670 WPSC	1567	256031-256599 18ALBAJ -18VANTYLE 1	CONS	WPSC	7	-0.11	0	0	7	0.11
KEWANEE ;13271838	COMED	4KEWANEE N 348923	AMIL	1568	348923-348974 4KEWANEE N -4KEWANEE S Z	COMED	AMIL	0	0	2802	123.69	2802	123.69
BLRSTWN7	631013	ALTW	PRAR CK7 631017 ALTW	1569	631001-631012 TOLEDO 5 -BL.PLN.5 1	ALTW	ALTW	30	-11.6	0	0	30	11.6
4KEWANEE N 348923	AMIL	4KEWANEE S 348974	AMIL	1571	348944-349730 7SANDBURG -7FARGO 1	AMIL	AMIL	8	-0.69	0	0	8	0.69
4KEWANEE STP348924	AMIL	4SANDBURG 348972	AMIL	1571	348944-349730 7SANDBURG -7FARGO 1	AMIL	AMIL	1	-0.4	1	0.74	2	1.14
BIGSTON4	620314	OTP	BROWNSV4 620325 OTP	1575	620362-620363 OAKES 4 -FORMAN 4 1	OTP	OTP	100	-35.79	0	0	100	35.79
BIGSTON4	620314	OTP	BROWNSV4 620325 OTP	1576	620362-661098 OAKES 4 -ELLENDLMVP4 1	OTP	OTP	92	-50.69	0	0	92	50.69

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
WERNER W B2 694080 WEC N APPLETON 699359 WEC	1579	694033-699359 MORGAN B2 -N APPLETON 1	WEC	WEC	0	0	29	4.65	29	4.65
RACINE4 699472 WEC RACINE1 699471 WEC	1580	698853-699471 RACINE2 -RACINE1 Z	WEC	WEC	25	-0.51	0	0	25	0.51
4N.HARD 340615 BREC 5N.HARD 340616 BREC	1581	324173-340624 5MATANZAS -5BRTPA 1	BREC	BREC	33	-4.14	0	0	33	4.14
7PALMYRA 345436 AMMO 5PALMYRA 345437 AMMO	1582	345435-347010 7MAYWOOD -7HERLEMAN 1	AMMO	AMMO	8	-11.08	0	0	8	11.08
5MARBLE N 347516 AMIL 4MARBHD N 347515 AMIL	1582	345435-347010 7MAYWOOD -7HERLEMAN 1	AMIL	AMIL	21	-0.89	0	0	21	0.89
05FALL C 243222 AEP 16SUNNYS 254535 IPL	1585	243222-249515 05FALL C -08NOBLSV 1	AEP	IPL	507	-24.4	0	0	507	24.4
05FALL C 243292 AEP 08NEWCAS 249810 DUK-IN	1586	243222-254535 05FALL C -16SUNNYS 1	AEP	DUK-IN	245	-29.64	0	0	245	29.64
08NOBLSV 249626 DUK-IN 08DURBIN 249637 DUK-IN	1586	243222-254535 05FALL C -16SUNNYS 1	DUK-IN	DUK-IN	4	-0.78	0	0	4	0.78
10ELOT13 253526 SIGE 10802288 253552 SIGE	1587	249510-253620 08GIBSON -10ABB345 1	SIGE	SIGE	0	0	249	8.7	249	8.7
7DAVIESS 324104 LKE 7COLEMAN 340563 BREC	1587	249510-253620 08GIBSON -10ABB345 1	LKE	BREC	0	0	3	0.01	3	0.01
08M.FORT 250057 DUK-OH 08M.FORT 249567 DUK-OH	1588	249567-249575 08M.FORT -08TERMNL 1	DUK-OH	DUK-OH	0	0	13	4.5	13	4.5
08SGROVE 249573 DUK-OH 08SGROVE 250097 DUK-OH	1589	249571-249573 08REDBK1 -08SGROVE 1	DUK-OH	DUK-OH	60	-20.89	0	0	60	20.89
18SPALDG 256271 CONS 18PETISJ 256326 CONS	1590	256147-256215 18GAINES -18MEADWJ 1	CONS	CONS	0	0	30	61.96	30	61.96
19BISMARCK1 264788 DECO 19GOLF2 265023 DECO	1591	264535-264663 19BENSJ -19STEPH 1	DECO	DECO	0	0	64	0.05	64	0.05
19CANIF 264538 DECO 19CORTL 264544 DECO	1592	264538-264983 19CANIF -19BRSTL4 1	DECO	DECO	9	-0.02	0	0	9	0.02
4LTV STL NTP348919 AMIL 4PRINCETN TP348921 AMIL	1594	271655-271835 HENNEEPIN; T-KEWANEE ;231	AMIL	AMIL	0	0	20	14.9	20	14.9
CRESCENT ; R271241 COMED OGLESBY ; T272189 COMED	1594	271655-271835 HENNEEPIN; T-KEWANEE ;231	COMED	COMED	145	-8.27	0	0	145	8.27
4INA 347280 AMIL 4WALTON TP 348841 AMIL	1595	346992-348827 7E W FKFT -7W MT VERNON1	AMIL	AMIL	0	0	1358	228.05	1358	228.05
4W FKFT E 348416 AMIL 4W.FRKFT 348425 AMIL	1595	346992-348827 7E W FKFT -7W MT VERNON1	AMIL	AMIL	0	0	992	201.42	992	201.42
4BROKAW 348848 AMIL 4N LEROY TAP348898 AMIL	1596	348770-348850 7GOOS_CRK -7MAROA E JCT1	AMIL	AMIL	251	-80.33	0	0	251	80.33
4BROKAW 348848 AMIL 4N LEROY TAP348898 AMIL	1597	348770-348882 7GOOS_CRK -7RISING 1	AMIL	AMIL	78	-25	0	0	78	25
4MAKANDA 347499 AMIL 4ORDILL 347883 AMIL	1598	346792-347166 4CARBD NW -4GRAND TW 1	AMIL	AMIL	353	-12.19	0	0	353	12.19
4GIBSON C 347114 AMIL 4CB BROKW TP348913 AMIL	1599	347114-347971 4GIBSON C -4PAXTON 1	AMIL	AMIL	11	-0.23	0	0	11	0.23
MAZON ; R271987 COMED OGLESBY ; T272189 COMED	1600	348745-348854 4DIAMSTR TP1-4MCLEAN CO 1	COMED	COMED	0	0	942	147.57	942	147.57
4GHENT 324253 LKE 4NAS TP 324287 LKE	1602	324105-324109 7GHENT -7NAS 1	LKE	LKE	982	-184.49	0	0	982	184.49
POWESHK5 631113 ALTW BEACON 5 635870 MEC	1603	631143-635730 OTTUMWA3 -MNTZUMA3 1	ALTW	MEC	8	-0.59	0	0	8	0.59
CBLUFFS3 635000 MEC S3456 3 645456 OPPD	1604	635017-640139 ATCHSN 3 -COOPER 3 1	MEC	OPPD	30	-0.36	0	0	30	0.36
19CANIFP 264730 DECO 19CANIF 264538 DECO	1608	264626-264763 19NEAST -19STEPH 1	DECO	DECO	463	-41.94	0	0	463	41.94
LATHAM ; T270804 COMED 7LATHAM 348856 AMIL	1610	270796-270804 KINCAID ; B-LATHAM ; T1	COMED	AMIL	44	-1.24	0	0	44	1.24
IRONRRNG4 608622 MP FORBES 4 608624 MP	1611	601001-601013 FORBES 2 -ROSEAU52 1	MP	MP	443	-3.67	0	0	443	3.67
EDG BUS1 694008 ALTE SFL 345 B2 694070 ALTE	1612	694007-694009 CEDRSAUK B4 -EDG BUS2 1	ALTE	ALTE	6	-0.02	0	0	6	0.02
4SPLENDRI 334118 EES-TX 4JACINTO% 334208 EES-TX	1613	334124-334202 6BRANCH% -6CHPTSR2 1	EES-TX	EES-TX	0	0	18	26.49	18	26.49
18ENT1 263811 CONS 18REO1 263838 CONS	1616	263801-263850 18ECK1 -18GM-LGR 1	CONS	CONS	0	0	246	9.37	246	9.37
18REO2 263839 CONS 18ECK3 263844 CONS	1616	263801-263850 18ECK1 -18GM-LGR 1	CONS	CONS	0	0	2689	24.01	2689	24.01
GRE-PANTHER4615529 GRE HUC-MCLEOD 4619940 GRE	1617	601050-601055 HELENA 3 -SCOTTCO3 1	GRE	GRE	1	0	0	0	1	0
BROOKLINE 7549984 SPRM YBUS2007 97991 SPRM	1619	549984- 97990 BROOKLINE 7-YBUS2008 2	SPRM	SPRM	348	-57.87	0	0	348	57.87
4KOUNTZE% 334317 EES-TX 4LUMBRN 334318 EES-TX	1627	334326-334328 6CYPRESS% -6BEVIL 1	EES-TX	EES-TX	0	0	3	0.44	3	0.44
4SO.BMT2! 334389 EES-TX 4CARROLS% 334391 EES-TX	1646	334390-334391 4SO.BMT1! -4CARROLS% 1	EES-TX	EES-TX	0	0	40	6.98	40	6.98
S3 7 652508 WAUE GRANITF7 652551 WAUE	1647	601048- 97947 LYON CO 3 -YBUS2051 9	WAUE	WAUE	363	-79.76	0	0	363	79.76
NEAST 5 542985 KCPL CHARLOT5 543133 KCPL	1648	542985-542988 NEAST 5 -GRAND W5 1	KCPL	KCPL	25	-10.65	0	0	25	10.65

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
NEOSHO 5 532937 WR RIV4525 547469 EDE	1649	300739-532793 7BLACKBERRY -NEOSHO 7 1 242512-242514 05CLOVRD -05J.FERR 1; 242684-242685	WR	EDE	478	-27.2	0	0	478	27.2
05CLYTR1 242608 AEP 05SCHRIS 242791 AEP	1654	05J.FERR -05J.FERX Z 242512-242514 05CLOVRD -05J.FERR 1; 242684-242685	AEP	AEP	232	-65.21	0	0	232	65.21
05M FUNK 242708 AEP 05TECHDR 243874 AEP	1654	05J.FERR -05J.FERX Z 270717-270731 DRESDEN ; R-ELECT JCT;4R1; 270717-275180	AEP	AEP	0	0	12	1.39	12	1.39
DRESDEN ; R270717 COMED ELWOOD ; R270737 COMED	1655	DRESDEN ; R-DRESDEN ;3M1 336137-500360 6SLIDEL! -FRONTST6 1; 336149-336153 6WATFRD_TP% -1WAT U3! 1; 336149-336153	COMED	COMED	267	-22.05	0	0	267	22.05
8WATERFO 336150 EES-LA 6WATFRD% 336154 EES-LA	1665	6WATFRD_TP% -1WAT U3! 2 336001-336003 6EVGREN! -6DNLDVL 1; 336149-336153 6WATFRD_TP% -1WAT U3! 1; 336149-336153	EES-LA	EES-LA	7	-0.72	0	0	7	0.72
8WATERFO 336150 EES-LA 6WATFRD% 336154 EES-LA	1666	6WATFRD_TP% -1WAT U3! 2 336150-336154 8WATERFO -6WATFRD% 1; 336149-336153 6WATFRD_TP% -1WAT U3! 1; 336149-336153	EES-LA	EES-LA	12	-0.97	0	0	12	0.97
6PANAMA% 336063 EES-LA 6WILTON% 336070 EES-LA	1667	6WATFRD_TP% -1WAT U3! 2 335618-336150 8WILLOW_GL% -8WATERFO 1; 336149- 336153 6WATFRD_TP% -1WAT U3! 1; 336149-336153	EES-LA	EES-LA	83	-19.99	0	0	83	19.99
6ST_GABRIEL%335569 EES-LA 6AAC_CORP 335573 EES-LA	1668	6WATFRD_TP% -1WAT U3! 2 336131-336136 6ADMSCRK% -6BOGALUS! 2; 336149-336153 6WATFRD_TP% -1WAT U3! 1; 336149-336153	EES-LA	EES-LA	10	-0.44	0	0	10	0.44
6ADMSCRK% 336131 EES-LA 6BOGALUS! 336136 EES-LA	1672	6WATFRD_TP% -1WAT U3! 2 334363-334429 6HARTBRG% -6CHISHOLM% 1; 334433-	EES-LA	EES-LA	62	-12.22	0	0	62	12.22
6MCLEWIS 334361 EES-TX 6CHISHOLM% 334429 EES-TX	1744	334430 1G3SABIN! -4SABINE% 1 334320-334325 8CYPRESS% -8HARTBRG% 1; 334433-334430	EES-TX	EES-TX	24	-10.12	0	0	24	10.12
4TOOMEY 335087 EES-LA 4MARSHALL 335088 EES-LA	1762	1G3SABIN! -4SABINE% 1 334320-334325 8CYPRESS% -8HARTBRG% 1; 334433-334430	EES-LA	EES-LA	0	0	11	9.3	11	9.3
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1762	1G3SABIN! -4SABINE% 1 334320-334325 8CYPRESS% -8HARTBRG% 1; 334433-334430	EES-LA	EES-LA	0	0	856	403.22	856	403.22
4FORK CK 334281 EES-TX 4RAYBURN% 334282 EES-TX	1762	1G3SABIN! -4SABINE% 1 335089-335200 4HOLLYWOOD! -4NELSON% 1; 334433-	EES-TX	EES-TX	0	0	630	263.01	630	263.01
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1765	334430 1G3SABIN! -4SABINE% 1 335200-335190 4NELSON% -6NELSON% 1; 700004-335190 6NEWNEL -6NELSON% 1; 700005-335200 4NEWNEL -	EES-LA	EES-LA	0	0	23	4.78	23	4.78
4CARLYSS! 335060 EES-LA 6CARLYSS% 335070 EES-LA	1768	4NELSON% 1 335192-335367 8NELSON% -8RICHARD% 1; 700004-335190 6NEWNEL -6NELSON% 1; 700005-335200 4NEWNEL -	EES-LA	EES-LA	0	0	77	6.2	77	6.2
8HARTBRG% 334325 EES-TX LAYFLD8 509366 SPP-C	1770	4NELSON% 1 335192-335367 8NELSON% -8RICHARD% 1; 700004-335190 6NEWNEL -6NELSON% 1; 700005-335200 4NEWNEL -	EES-TX	SPP-C	0	0	5	0.97	5	0.97
4BAYOU_COVE%303014 LAGN 4HEBERT 335365 LAGN	1770	4NELSON% 1 335368-335500 8WELLS% -8WEBRE% 1; 700004-335190 6NEWNEL -6NELSON% 1; 700005-335200 4NEWNEL -	LAGN	LAGN	10	-1.56	0	0	10	1.56
BVISTA 4 500060 CLEC ELPTAP 4 500290 CLEC	1772	4NELSON% 1 335368-335500 8WELLS% -8WEBRE% 1; 335190-335206	CLEC	CLEC	233	-4.06	0	0	233	4.06
BVISTA 4 500060 CLEC ELPTAP 4 500290 CLEC	1773	6NELSON% -1NELSON_G6! 1	CLEC	CLEC	104	-0.78	0	0	104	0.78
6ST_GABRIEL%335569 EES-LA 6AAC_CORP 335573 EES-LA	1776	335568-335582 6WILLOW_GL% -6BOXWOOD% 1; 336250- 336242 69MILE% -1NMIL6 ST1 1; 336280-336240 39MILE% -1NMIL6 CT1 1; 336280-336241 39MILE% -1NMIL6 CT2 1	EES-LA	EES-LA	4	-0.21	0	0	4	0.21

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
6ST_GABRIEL%335569 EES-LA 6AAC_CORP 335573 EES-LA	1777	335568-335582 6WILLOW_GL% -6BOXWOOD% 1; 336250-336252 69MILE% -1NMIL U5! 1	EES-LA	EES-LA	9	-2.63	0	0	9	2.63
6ADMSCRK% 336131 EES-LA 6BOGALUS! 336136 EES-LA	1778	336131-336136 6ADMSCRK% -6BOGALUS! 1; 336250-336242 69MILE% -1NMIL6 ST1 1; 336280-336240 39MILE% -1NMIL6 CT2 1	EES-LA	EES-LA	6	-0.94	0	0	6	0.94
6ADMSCRK% 336131 EES-LA 6BOGALUS! 336136 EES-LA	1779	336131-336136 6ADMSCRK% -6BOGALUS! 1; 336250-336252 69MILE% -1NMIL U5! 1	EES-LA	EES-LA	29	-14.81	0	0	29	14.81
HOLLY 4 509110 SPP-C CHIRENO4 509125 SPP-C	1782	334028-509241 7GRIMES% -CROCKET7 1; 334433-334430 1G3SABIN! -4SABINE% 1	SPP-C	SPP-C	1	-0.1	0	0	1	0.1
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1790	334325-335188 8HARTBRG% -8RHODES% 1; 335190-335206 6NELSON% -1NELSON_G6! 1	EES-LA	EES-LA	5	-0.25	0	0	5	0.25
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA HG_CONVRTR_N107326 ISO-NE HG_CONVRTR_S107324 ISO-NE	1791	334325-335188 8HARTBRG% -8RHODES% 1; 700004-335190 6NEWNEL -6NELSON% 1; 700005-335200 4NEWNEL -4NELSON% 1	EES-LA	EES-LA	32	-2.76	0	0	32	2.76
RAD315 A181020 TE SNDYPD HVDC1114071 ISO-NE	DC	DC	ISO-NE	ISO-NE	0	0	1843	-0.19	1843	0.19
RAD315 A181020 TE SNDYPD HVDC2114072 ISO-NE	DC	DC	TE	ISO-NE	600	0	0	0	600	0
28NEPTUNE 206400 JCPL NEPTCONV 128842 NY	DC	DC	TE	ISO-NE	2243	-0.41	0	0	2243	0.41
CNV_BRG 219810 PSEG CNV_BRG2 217177 PSEG	DC	DC	JCPL	NY	1479	-0.59	6434	10.34	7913	10.93
SQBP1DC4 608597 MP ARDP1DC4 608596 MP	DC	DC	PSEG	PSEG	15	-0.01	8683	1.63	8698	1.64
SQBP2DC4 608599 MP ARDP2DC4 608598 MP	DC	DC	MP	MP	2715	-2.35	3460	17.94	6175	20.29
	DC	DC	MP	MP	2777	-2.16	4396	17.57	7173	19.73
GRE-COAL CR4615600 GRE GRE-DICKNSN3615353 GRE	DC	DC	GRE	GRE	2950	-1.37	449	0.19	3399	1.56
GRE-COAL CR4615600 GRE GRE-DICKNSN3615353 GRE	DC	DC	GRE	GRE	742	-0.31	104	-0.01	846	0.32
CONAWAP4 667000 MHEB RIEL 4 667041 MHEB	DC	DC	MHEB	MHEB	1672	-1.68	875	-0.01	2547	1.69
CONAWAP4 667000 MHEB RIEL 4 667041 MHEB	DC	DC	MHEB	MHEB	932	-0.94	1152	-0.73	2084	1.67
HENDAY 4 667001 MHEB DORSEY 4 667035 MHEB	DC	DC	MHEB	MHEB	1616	-1.71	843	-0.05	2459	1.76
HENDAY 4 667001 MHEB DORSEY 4 667035 MHEB	DC	DC	MHEB	MHEB	1002	-1.09	1369	-0.8	2371	1.89
RADSND6 667231 MHEB DC5 JCT4 667036 MHEB	DC	DC	MHEB	MHEB	934	-1.03	0	0	934	1.03
RADSND6 667231 MHEB DC6 JCT4 667037 MHEB	DC	DC	MHEB	MHEB	920	-1.01	7	0	927	1.01

**PROMOD Projected Congestion Data
2026 - PR No H-W**

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
HG_CONVRTR_N107326 ISO-NE HG_CONVRTR_S107324 ISO-NE	1	No Outage	ISO-NE	ISO-NE	4955	-4.27	3797	2.82	8752	7.09
CONAWAP4 667000 MHEB RIEL 4 667041 MHEB	1	No Outage	MHEB	MHEB	6085	-6.05	2675	2.66	8760	8.71
INTERFACE PJM Eastern Interfac 7	1	No Outage			14	-0.17	0	0	14	0.17
INTERFACE PJM-CENTRAL INTERFAC 8	1	No Outage			923	-8.87	155	2.66	1078	11.53
INTERFACE PJM- WESTERN INTERFA 9	1	No Outage			20	-0.24	0	0	20	0.24
INTERFACE AP South Interface 10	1	No Outage			98	-0.7	0	0	98	0.7
INTERFACE McGulpin - Straits 17	1	No Outage			1833	-17.96	349	2.06	2182	20.02
INTERFACE SPPSPSTIES 18	1	No Outage			0	0	32	0.04	32	0.04
INTERFACE GRIS_LNC 20	1	No Outage			59	-0.71	0	0	59	0.71
INTERFACE COOPER_S 21	1	No Outage			66	-0.78	0	0	66	0.78
INTERFACE FTCAL_SOUTH 22	1	No Outage			0	0	2	0.88	2	0.88
INTERFACE SPS North - South 24	1	No Outage			72	-0.51	0	0	72	0.51
INTERFACE MH_ONT_W 27	1	No Outage			747	-1.97	4186	75.56	4933	77.53
INTERFACE DYSINGER 7001 28	1	No Outage			5	-0.05	0	0	5	0.05
INTERFACE NY WEST CENTRAL 29	1	No Outage			8	-0.01	6	0.01	14	0.02
INTERFACE ADIRONDACK - CENTRAL 30	1	No Outage			0	0	3436	3.22	3436	3.22
INTERFACE EDISON LONGISLAND 33	1	No Outage			1304	-0.07	1286	0.47	2590	0.54
INTERFACE DUNWOODIE - SOUTH TI 34	1	No Outage			1659	-5.61	0	0	1659	5.61
INTERFACE IESO-MP 39	1	No Outage			4387	-76.28	114	0.41	4501	76.69
INTERFACE HYDROONE_ONT-ITC 41	1	No Outage			7	-0.05	0	0	7	0.05
INTERFACE ONT-NYIS 42	1	No Outage			826	-0.82	3854	22.13	4680	22.95
COALCREEK NOMO 1	1	No Outage			851	-1.62	4424	32.3	5275	33.92
MISO-ONT Nomogram 2	1	No Outage			3031	-36.57	3919	19.71	6950	56.28
North South Constraint 3	1	No Outage			767	-2.24	42	0.08	809	2.32
OAHE 4 652519 WAUE SULLYBT4 652521 WAUE	1	No Outage	WAUE	WAUE	1	-0.82	0	0	1	0.82
02LALLENDORF241901 DECO 19MON12 264612 FE-ATSI	1	No Outage	DECO	FE-ATSI	0	0	12	0.1	12	0.1
05DANVL2 242620 AEP 05EDAN 1 242631 AEP	1	No Outage	AEP	AEP	68	-4.94	0	0	68	4.94
CDRGV 216915 PSEG ROSELAND 216950 PSEG	1	No Outage	PSEG	PSEG	1461	-0.25	18	0	1479	0.25
E FRANKFO; R270729 COMED GOODINGS ;1R270767 COMED	1	No Outage	COMED	COMED	3	-0.03	0	0	3	0.03
ELECT JCT; B270730 COMED NELSON ; B270828 COMED	1	No Outage	COMED	COMED	0	0	2	1.88	2	1.88
26ERIE E 200654 PENELEC 26FOURMILE 200928 PENELEC	1	No Outage	PENELEC	PENELEC	2981	-246.61	0	0	2981	246.61
ESSEX_PAR 217124 PSEG ESSEX_PLEADS219078 PSEG	1	No Outage	PSEG	PSEG	1390	-0.05	4014	0.47	5404	0.52
ATHENIA_3 216901 PSEG ERUTHF_1 217304 PSEG	1	No Outage	PSEG	PSEG	6	0	0	0	6	0
FTSLO PS 224121 PEPCO FTSLO 69 224122 PEPCO	1	No Outage	PEPCO	PEPCO	3652	-0.76	3065	0.25	6717	1.01
QUAD 1 3-11 270864 COMED ROCK CK3 631141 ALTW	1	No Outage	COMED	ALTW	31	-23.74	0	0	31	23.74
SPRINGRD_2 216911 PSEG ALDENE_6 218345 PSEG	1	No Outage	PSEG	PSEG	0	0	17	0.37	17	0.37
26TIFFANY 200679 PENELEC 26LAUREL L 200680 PENELEC	1	No Outage	PENELEC	PENELEC	0	0	14	0.42	14	0.42
WALDWICK 217062 PSEG WALDWICK 217063 PSEG	1	No Outage	PSEG	PSEG	1	0	4573	24.34	4574	24.34
WEMPLETOW; B270918 COMED WEMPLETOW;4M275231 COMED	1	No Outage	COMED	COMED	0	0	382	25.26	382	25.26

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
28WHIPPANY 206257 JCPL ROSELAND 216950 PSEG	1	No Outage	JCPL	PSEG	0	0	104	2.98	104	2.98
WSPTSEC2 221331 BGE WP PH.S2 221373 BGE	1	No Outage	BGE	BGE	320	-0.01	1841	0.21	2161	0.22
ARROWHWD4 608615 MP AWHD PST 699448 WPS	1	No Outage	MP	WPS	136	-0.39	0	0	136	0.39
19DIGTP 264610 DECO 19WTRMN 264690 DECO	1	No Outage	DECO	DECO	2	0	0	0	2	0
7MAYWOOD 345435 AMMO 7SPENCER 345992 AMMO	1	No Outage	AMMO	AMMO	0	0	11	2.22	11	2.22
19BLRPP 264604 DECO 19STCPP 264656 DECO	1	No Outage	DECO	DECO	0	0	3	0	3	0
NORTHWEST; R272129 COMED NORTHWEST;8S272135 COMED	1	No Outage	COMED	COMED	0	0	2	0.18	2	0.18
STATELINE;3B272504 COMED STATELINE;2S272506 COMED	1	No Outage	COMED	COMED	478	-1.56	0	0	478	1.56
RIDGELAND; B272352 COMED RIDGELAND;BS272354 COMED	1	No Outage	COMED	COMED	347	-0.4	0	0	347	0.4
RAM PAR 126296 NY RAMAPO 126297 NY	1	No Outage	NY	NY	167	0	6791	11.65	6958	11.65
RAM PAR 126296 NY RAMAPO 126297 NY	1	No Outage	NY	NY	154	0	6831	11.64	6985	11.64
LARSON 4659372 BEPC TIOGA4 4 661084 BEPC	1	No Outage	BEPC	BEPC	0	0	4083	19.68	4083	19.68
LARSON 4659372 BEPC BDV 4 672603 SPC	1	No Outage	BEPC	SPC	5	0	1622	1.61	1627	1.61
EASTOWN7 541400 MPS IATAN 7 542982 KCPL	1	No Outage	MPS	KCPL	0	0	1	0.02	1	0.02
6RSR2 371308 NC-SC 6VOGTLE 380115 SE	1	No Outage	NC-SC	SE	0	0	11	2.28	11	2.28
GENTLMN3 640183 NPPD REDWIL03 640325 NPPD	1	No Outage	NPPD	NPPD	8	-0.27	0	0	8	0.27
YBUS2615 97383 MDU COYOTE 7 661018 OTP	1	No Outage	MDU	OTP	116	-0.62	0	0	116	0.62
HIBBARD7 608676 MP WNTR ST7 608680 MP	1	No Outage	MP	MP	410	-0.11	0	0	410	0.11
TOWNLINE 699141 ALTE BASSCRK 699897 ALTE	1	No Outage	ALTE	ALTE	24	-21.47	0	0	24	21.47
CNASTONE 200004 BGE PCHBTM1S 200064 PECO	1	No Outage	BGE	PECO	0	0	3114	131.79	3114	131.79
18ALBAJ 256031 CONS STOVER 256275 CONS	1	No Outage	CONS	CONS	0	0	182	17.69	182	17.69
CLYBOURN ; B271218 COMED DIVERSEY ; B271326 COMED	1	No Outage	COMED	COMED	324	-0.08	0	0	324	0.08
CLYBOURN ; B271218 COMED WEST LOOP; G272762 COMED	1	No Outage	COMED	COMED	0	0	39	1.98	39	1.98
GRENSHAW ; R271579 COMED WASHINGTO; R272727 COMED	1	No Outage	COMED	COMED	0	0	113	0.08	113	0.08
4KEWANEE STP348924 AMIL 4KEWANEE S 348974 AMIL	1	No Outage	AMIL	AMIL	0	0	10	0.96	10	0.96
WEBER RD ; B272742 COMED WILL CNTY;BT272784 COMED	1	No Outage	COMED	COMED	0	0	50	37.56	50	37.56
ST LAKE5 602017 NSP MINONG 5 608631 MP	1	No Outage	NSP	MP	450	-0.08	0	0	450	0.08
07RATTAP 248428 HE 16PETE 254638 IPL	1	No Outage	HE	IPL	0	0	348	24.45	348	24.45
HANKSON4 620327 OTP WAHPETN4 620329 OTP	1	No Outage	OTP	OTP	4	-0.16	0	0	4	0.16
OAKVIEW 698988 WEC OC CRK-2 699371 WEC	1	No Outage	WEC	WEC	0	0	64	5.71	64	5.71
4W FKFT E 348416 AMIL 4FRANKLIN 350216 SIPC	1	No Outage	AMIL	SIPC	3	-1.84	0	0	3	1.84
5MATANZAS 324173 LKE 5BRTAP 340624 BREC	1	No Outage	LKE	BREC	21	-2.15	0	0	21	2.15
08CONERV 249714 DUK-IN 08LEWSVL 249783 DUK-IN	1	No Outage	DUK-IN	DUK-IN	0	0	30	3.42	30	3.42
ROLLETTE 230620378 OTP RUGBY 4 620379 OTP	1	No Outage	OTP	OTP	0	0	175	0.49	175	0.49
5LEBJCTT 324150 LKE 5PADDYSR 324154 LKE	5	242510-242511 05BAKER -05BROADF 1	LKE	LKE	0	0	16	33.52	16	33.52
5LEBJCTT 324150 LKE 5PADDYSR 324154 LKE	7	242518-360106 05BROADF -8SULLIVAN TN1	LKE	LKE	0	0	3	0.96	3	0.96
5MARYVL 300097 AECIZ 5NODWAY 300104 AECIZ	8	541252-541253 ST JOEREA 5 -ST JOE 5 Z	AECIZ	AECIZ	0	0	20	2.61	20	2.61
		324105-324116 7GHENT -7W LEXNG 1; 324102-324116								
4FFRT E 324250 LKE 4TYRONE 324315 LKE	15	7BROWN N -7W LEXNG 1	LKE	LKE	16	-0.83	0	0	16	0.83
5PINEVSW 324156 LKE 5PINEVILL KY360452 TVAZ	29	324073-360102 8POCKETN -8PHIPPS B NP1	LKE	TVAZ	65	-49.86	0	0	65	49.86

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
5FAIRPT 300076 AECIZ 5OSBORN 300107 AECIZ	34	541199-542980 ST JOE 3 -NASHUA 7 1; 542972-542980								
SUNNYVAL 699666 WPS SHRMN ST 699704 WPS	44	HAWTH 7 -NASHUA 7 1 694002-694068 ARPIN B3 -ROCKY RN B8 1	AECIZ	AECIZ	5	-0.52	0	0	5	0.52
			WPS	WPS	0	0	35	17.56	35	17.56
LORETTO ; B270704 COMED PONTIAC ; B270852 COMED	59	270717-270853 DRESDEN ; R-PONTIAC ; R1	COMED	COMED	0	0	15	0.52	15	0.52
02AVON 238551 FE-ATSI 02LAKEAVE 239725 FE-ATSI	68	238551-239725 02AVON -02LAKEAVE 1	FE-ATSI	FE-ATSI	0	0	12	6.14	12	6.14
05DANVL2 242620 AEP 05EDAN 1 242631 AEP	104	242519-314912 05CLOVRD -8LEXNGTN 1	AEP	AEP	13	-0.49	0	0	13	0.49
05DANVL2 242620 AEP 05EDAN 1 242631 AEP	115	242520-306719 05J.FERR -8ANTIOCH 1	AEP	AEP	1009	-62.71	0	0	1009	62.71
05TANNER 243233 AEP 08M.FORT 249567 DUK-OH	134	249565-249575 08EBEND -08TERMNL 1	AEP	DUK-OH	1215	-100.59	0	0	1215	100.59
08M.FORT 250057 DUK-OH 08HEBTAP 250151 DUK-OH	134	249565-249575 08EBEND -08TERMNL 1	DUK-OH	DUK-OH	2	-2.27	0	0	2	2.27
3RIVERTON 337338 EES-LA 3RILLA! 337386 EES-LA	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-LA	EES-LA	0	0	3	0.82	3	0.82
3PARNELL RD 337545 EES-ARK 3NEWELL 337546 EES-ARK	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-ARK	EES-ARK	2	-3.9	0	0	2	3.9
3WYATT! 337544 EES-ARK 3PARNELL RD 337545 EES-ARK	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-ARK	EES-ARK	281	-109.27	0	0	281	109.27
DOLHILL7 500250 CLEC DOLHILL6 500260 CLEC	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	CLEC	CLEC	10	-0.08	0	0	10	0.08
3DOWNSVILLE 337374 EES-LA 3STERL2% 337414 EES-LA	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-LA	EES-LA	0	0	4	4.55	4	4.55
3ROCKYMT115T304223 NC-SC 3BTLEBRO 314554 DOM	163	304183-314935 8WAKE 500 TT-8HERITAGE 1	NC-SC	DOM	0	0	1448	284.8	1448	284.8
6GREENVILE T304451 NC-SC 6EVERETS 314574 DOM	163	304183-314935 8WAKE 500 TT-8HERITAGE 1	NC-SC	DOM	0	0	139	15.64	139	15.64
6PERSON230 T304070 NC-SC 6HALIFAX 314697 DOM	163	304183-314935 8WAKE 500 TT-8HERITAGE 1	NC-SC	DOM	1	0	119	2.66	120	2.66
WEMPLETOW; B270918 COMED WEMPLETOW; 4M275231 COMED	196	270679-270918 BYRON ; R-WEMPLETOW; B1	COMED	COMED	0	0	1174	83.42	1174	83.42
01KRENDL 235205 APS 02SENECA 239099 FE-ATSI	197	235104-239280 01CABOT -02CRNBRY 1	APS	FE-ATSI	1	-0.03	0	0	1	0.03
		235104-239280 01CABOT -02CRNBRY 1; 235703-239280								
01MITCHL 235124 APS 15WILSON 254018 DUQ	198	01WYLLIE R -02CRNBRY 1	APS	DUQ	9	-1.03	0	0	9	1.03
PLYMTG 3 213908 PECO WHITPAN3 214037 PECO	206	213525-214213 CROMBY 5 -LOCK 1	PECO	PECO	0	0	7	5.49	7	5.49
CUMB TR2 207950 PPL JUNI BU1 208004 PPL	210	207955-208005 DAUP TR2 -JUNI BU2 1	PPL	PPL	0	0	31	2.94	31	2.94
DRESDEN ; R270717 COMED DRESDEN ; 3M275180 COMED	215	270717-270737 DRESDEN ; R-ELWOOD ; R1	COMED	COMED	150	-29.24	0	0	150	29.24
PLYMTG 3 213908 PECO WHITPAN3 214037 PECO	281	213907-214036 PLYMTG 2 -WHITPAN2 1	PECO	PECO	0	0	1	0.01	1	0.01
26ERIE E 200654 PENELEC 26FOURMILE 200928 PENELEC	307	135398-200942 SW345 -26PIERCEBRK 1	PENELEC	PENELEC	675	-35.8	0	0	675	35.8
06CLIFTY 248000 AEP 7TRIMBLE 324114 LKE	338	243208-243209 05JEFRSO -05ROCKPT 1	AEP	LKE	0	0	185	39.29	185	39.29
7DAVIESS 324104 LKE 7COLEMAN 340563 BREC	338	243208-243209 05JEFRSO -05ROCKPT 1	LKE	BREC	0	0	87	9.14	87	9.14
		345755-347713 4SIOUX 1 -4MISS T 3 1; 347713-348152								
4SIOUX 2 345764 AMMO 4MISS T 1 347712 AMIL	344	4MISS T 3 -4ROXFORD1 1	AMMO	AMIL	93	-0.92	0	0	93	0.92
5HNL 1 344697 AMMO 5PALMYRA 345437 AMMO	346	345230-345992 7MONTGMRY -7SPENCER 1	AMMO	AMMO	0	0	7	0.91	7	0.91
5THMHIL 300120 AECIZ 5ADAIR1 344004 AMMO	346	345230-345992 7MONTGMRY -7SPENCER 1	AECIZ	AMMO	32	-2.64	0	0	32	2.64
7NEOGA 347821 AMIL 7HOLLAND 348491 AMIL	347	346895-347945 7COFFEEEN -7PANA 1	AMIL	AMIL	0	0	9	0.24	9	0.24
5FREDTN 300079 AECIZ 5FREDTOWN 344586 AMMO	348	344974-345773 7LUTESVIL -7ST FRANC 1	AECIZ	AMMO	0	0	235	80.84	235	80.84
4FARMGTN 344560 AMMO 4RIVMIN 2 345610 AMMO	348	344974-345773 7LUTESVIL -7ST FRANC 1	AMMO	AMMO	0	0	2	5.09	2	5.09
5MORILTON.E!337921 EES-ARK 5GLEASON 337927 EES-ARK	352	337922-337937 8P.HILL% -8MAYFLOWER% 1	EES-ARK	EES-ARK	454	-148.13	0	0	454	148.13
05FALL C 243292 AEP 08NEWCAS 249810 DUK-IN	359	243222-243292 05FALL C -05FALL C 2	AEP	DUK-IN	384	-37.5	0	0	384	37.5

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
		345088-345230 7MCCREDIE -7MONTGMRY 1; 345088-								
5MONTCT 300099 AECIZ 5WLMSBG 300523 AECIZ	362	345408 7MCCREDIE -7OVERTON 1	AECIZ	AECIZ	0	0	133	3.34	133	3.34
BYRON 5 613070 SMP GRE-PL VLLY5615307 GRE	376	613060-615306 BYRON 3 -GRE-PL VLLY31	SMP	GRE	0	0	63	8.25	63	8.25
PLYMOTH5 635223 MEC LEEDS 5 635226 MEC	384	635200-652564 RAUN 3 -SIOUXCY3 1	MEC	MEC	0	0	5	0.15	5	0.15
POWESHK5 631113 ALTW REASNOR5 631117 ALTW	387	635680-635730 BONDRNT3 -MNTZUMA3 1	ALTW	ALTW	0	0	12	0.69	12	0.69
REASNOR5 631117 ALTW RISING SUN 5635675 MEC	387	635680-635730 BONDRNT3 -MNTZUMA3 1	ALTW	MEC	0	0	1	0.05	1	0.05
RAUN 3 635200 MEC HIGHLND 3 635400 MEC	388	631138-635368 LAKEFLD3 -OBRIEN 3 1	MEC	MEC	0	0	327	14.72	327	14.72
LAKEFLD L1 5631041 ALTW DKS_N_CO5 631124 ALTW	388	631138-635368 LAKEFLD3 -OBRIEN 3 1	ALTW	ALTW	1	-0.07	0	0	1	0.07
GARDEN PL; 271543 COMED ESS H71 ;BT272512 COMED	389	270864-631141 QUAD 1 3-11 -ROCK CK3 1	COMED	COMED	0	0	4	3.67	4	3.67
ALMA 5 681543 DPC LUFKIN 681545 DPC	393	601014-601028 AS KING3 -EAU CL 3 1	DPC	DPC	1	-0.18	0	0	1	0.18
WABACO 5 681532 DPC ROCHSTR5 681537 DPC	393	601014-601028 AS KING3 -EAU CL 3 1	DPC	DPC	0	0	13	0.13	13	0.13
PT BCH3 699211 WEC KEWAUNEE 699630 WPS	397	694022-699359 FOXRIVER B1 -N APPLETON 1	WEC	WPS	20	-2.82	0	0	20	2.82
OAKVIEW 698988 WEC ROOT RVR 699316 WEC	402	699432-699471 PLS PR1 -RACINE1 1	WEC	WEC	48	-2.4	0	0	48	2.4
QUAD 1 3-11 270864 COMED ROCK CK3 631141 ALTW	414	270866-636610 QUAD 6-7 -SUB 91 3 1	COMED	ALTW	37	-2.15	0	0	37	2.15
NFL 138 699175 ALTE AVIATION 699677 WPS	415	694072-699669 SFL 345 B4 -FTZGERLD 1; 699359-699669 N	ALTE	WPS	150	-13.13	0	0	150	13.13
BLUMND6 698865 WEC BUTLER 699268 WEC	422	APPLETON -FTZGERLD 1	WEC	WEC	2	-0.01	0	0	2	0.01
ACEC BADGERW698840 ALTE PETENWEL 699808 WPS	430	699253-699329 ARCADN1 -GRANVL1 1	ALTE	WPS	0	0	193	8.95	193	8.95
7RUSH 1 345667 AMMO 7RUSH 2 345668 AMMO	439	601028-694003 EAU CL 3 -ARPIN B4 1	AMMO	AMMO	7	-0.08	0	0	7	0.08
5RENSHAW 350218 SIPC 5MARIONCT 350225 SIPC	439	346992-360002 7E W FKFT -7SHAWNEE FP 1	SIPC	SIPC	0	0	13	10.45	13	10.45
NW_BELOIT 698058 ALTE PAD 138 699059 ALTE	449	346992-360002 7E W FKFT -7SHAWNEE FP 1	ALTE	ALTE	0	0	17	0.88	17	0.88
08BLOOM 249605 DUK-IN 08DENOIS 249613 DUK-IN	452	699059-699141 PAD 138 -TOWNLINE 1	ALTE	ALTE	0	0	17	0.88	17	0.88
07RATTAP 248428 HE 16PETE 254638 IPL	453	249502-249506 08BEDFRD -08COLMBU 1	DUK-IN	DUK-IN	22	-26.63	0	0	22	26.63
08CLOVDL 249708 DUK-IN 08STILVL 249855 DUK-IN	454	248773-248792 07MEROM5 -07WORTHN 1	HE	IPL	0	0	378	57.76	378	57.76
	454	249505-249516 08CAYUGA -08NUCOR 1	DUK-IN	DUK-IN	14	-11.47	0	0	14	11.47
3ELLIOTT+ 337062 EES-MS 3S.GRENADA! 337063 EES-MS	457	249505-249516 08CAYUGA -08NUCOR 1	EES-MS	EES-MS	0	0	49	12.22	49	12.22
08CAYUGA 249608 DUK-IN 08VDSBRG 249632 DUK-IN	478	337009-337010 8MCADAMS% -8WOLFCREEK% 1	EES-MS	EES-MS	0	0	49	12.22	49	12.22
BONDRNT3 635680 MEC MNTZUMA3 635730 MEC	510	249608-249615 08CAYUGA -08FRNKFT 1	DUK-IN	DUK-IN	5	-9.39	0	0	5	9.39
NIW 5 631036 ALTW COLBY5 631202 ALTW	513	631142-631148 ARNOLD 3 -MORGANV3 1	MEC	MEC	11	-0.11	0	0	11	0.11
19STCPP 264656 DECO 19STCPP 264830 DECO	550	631139-631144 HAZLTON3 -MITCHLCO3 1	ALTW	ALTW	1	-0.06	0	0	1	0.06
19BUNCE1 264536 DECO 19FITZ 265228 DECO	550	160050-264656 LAMBTON_L4D -19STCPP 1	DECO	DECO	3	0	734	0	737	0
CEDRSAUK B4 694007 WEC EDG BUS2 694009 ALTE	557	160050-264656 LAMBTON_L4D -19STCPP 1	DECO	DECO	50	0	387	0	437	0
ELKHT L 699299 WEC FOREST J 699533 WEC	557	698870-699865 GRANVL2 -SEC 1	WEC	ALTE	0	0	128	20	128	20
HARBOR-1 699332 WEC KANSAS-6 699344 WEC	559	698870-699865 GRANVL2 -SEC 1	WEC	WEC	0	0	16	10.07	16	10.07
AVOCA 5 504000 SPP-C EROGERS5 506931 SPP-C	561	699344-699366 KANSAS-6 -NORWCH N 1	WEC	WEC	0	0	5	0.46	5	0.46
BEAVER 5 505480 SPP-C EUREKA 5 506932 SPP-C	561	506935-549984 FLINTCR7 -BROOKLINE 71	SPP-C	SPP-C	0	0	80	10.34	80	10.34
7BLACKBERRY 300739 AECIZ 7JASPER 300949 AECIZ	561	506935-549984 FLINTCR7 -BROOKLINE 71	SPP-C	SPP-C	9	-2.08	0	0	9	2.08
SPRGFLD5 505492 SPP-C LAR382 5 547479 EDE	561	506935-549984 FLINTCR7 -BROOKLINE 71	AECIZ	AECIZ	13	-3.06	0	0	13	3.06
	561	506935-549984 FLINTCR7 -BROOKLINE 71	SPP-C	EDE	0	0	1	0.1	1	0.1
3COUCH% 337502 EES-ARK 3LEWISVILLE#338874 EES-ARK	581	337376-508809 7SAREPTA% -LONGWD 7 1	EES-ARK	EES-ARK	2	-2.55	0	0	2	2.55
3PATMOS.W# 338875 EES-ARK FULTON 3 503912 SPP-C	581	337376-508809 7SAREPTA% -LONGWD 7 1	EES-ARK	SPP-C	0	0	228	7.98	228	7.98
JNSKAMO4 514906 SPP-C ARCADIA4 514907 SPP-C	582	514880-514908 NORTWST7 -ARCADIA7 1	SPP-C	SPP-C	0	0	37	61.07	37	61.07
OKMULGE4 510898 SPP-C EC.HEN-4 510923 SPP-C	584	510898-510931 OKMULGE4 -KELCO 4 1	SPP-C	SPP-C	1	-0.05	0	0	1	0.05
TAHLQH 5 512655 SPP-C HWY59 5 515347 SPP-C	590	515224-515302 MUSKOGEE7 -FTSMITH7 1	SPP-C	SPP-C	63	-59.6	0	0	63	59.6
LONEOAK4 510897 SPP-C ENOWILT4 510944 SPP-C	592	510907-510911 PITTSB-7 -VALIANT7 1	SPP-C	SPP-C	121	-116.25	0	0	121	116.25

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
TUPELO 4 505600 SPP-C TUPLOT4 521071 SPP-C	592	510907-510911 PITTSB-7 -VALIANT7 1	SPP-C	SPP-C	0	0	653	163.53	653	163.53
MIDWEST4 514946 SPP-C FRNKLS4 520917 SPP-C	596	521026-521084 PHAROAH4 -WETUMKA4 1	SPP-C	SPP-C	1	-1.07	0	0	1	1.07
RAUN 5 635201 MEC TEKAMAH5 640377 NPPD	599	635200-645451 RAUN 3 -S3451 3 1	MEC	NPPD	40	-6.06	0	0	40	6.06
MIDLTNT4 514804 SPP-C PECKHMT4 515381 SPP-C	608	515543-532798 RENFROW7 -VIOLA 7 1	SPP-C	SPP-C	0	0	1	0.05	1	0.05
5MORGAN 300101 AECIZ STOCKTN5 505498 SPP-C	612	300045-549984 7MORGAN -BROOKLINE 71	AECIZ	SPP-C	0	0	3	1.56	3	1.56
WINDFRM4 515785 SPP-C MOORLND4 520999 SPP-C	618	514785- 98541 WOODWRD4 -YBUS1457 1	SPP-C	SPP-C	2	-0.08	0	0	2	0.08
S3456 3 645456 OPPD S3458 3 645458 OPPD	625	645455-645740 S3455 3 -S3740 3 1	OPPD	OPPD	0	0	302	32.39	302	32.39
MOORE 3 640277 NPPD NW68HOLDRG3 650114 LES	627	650185-650189 WAGENER 3 -103&ROKEBY3 1	NPPD	LES	158	-24.69	0	0	158	24.69
5NEWPORT! 338151 EES-ARK 5NEWPORT-E# 338733 EES-ARK	631	338145-338156 8ISES% -8JB-EHV% 1	EES-ARK	EES-ARK	1	-0.04	0	0	1	0.04
3ALTO_LA 337331 EES-LA 3SWARTZ! 337390 EES-LA	632	336830-337427 8BXTRWILSON%-8PERRYVILLE%1	EES-LA	EES-LA	0	0	32	6.38	32	6.38
3CARSON 337450 EES-LA 3DELHI_RX 337453 EES-LA	632	336830-337427 8BXTRWILSON%-8PERRYVILLE%1	EES-LA	EES-LA	301	-128.66	0	0	301	128.66
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	632	336830-337427 8BXTRWILSON%-8PERRYVILLE%1	EES-LA	EES-LA	0	0	2	0.02	2	0.02
6RUSSEL 339100 SE 6LEXINGTON 380104 SE	636	380003-380011 8NORCROSS -8S HALL 1; 381341-383000	SE	SE	11	-0.32	0	0	11	0.32
6NEWPORT 306333 NC-SC 6VCS1_2 371112 NC-SC	648	6NANCY HART -6HW ENERGY 1	NC-SC	NC-SC	0	0	759	59.58	759	59.58
HIGH RCK 339003 NC-SC TUCKERTN 339005 NC-SC	649	312716-312727 6NEWBER -6GWD CO 1	NC-SC	NC-SC	0	0	105	57.52	105	57.52
5KNOX TN 360458 TVAZ 5DOUGLAS HP 360465 TVAZ	668	306850-306848 8PL GRDN -6PL GRDN 5	NC-SC	NC-SC	0	0	105	57.52	105	57.52
5BRTAP 340624 BREC 5PARADISE FP360043 TVAZ	668	360097-360102 8VOLUNTEER -8PHIPPS B NP1	TVAZ	TVAZ	12	-29.66	0	0	12	29.66
8OCONEE 306008 NC-SC 8S HALL 380011 SE	670	360097-360102 8VOLUNTEER -8PHIPPS B NP1	BREC	TVAZ	0	0	2	0.03	2	0.03
5ROBBINS 308485 NC-SC 5SANTETLAH 375031 TVAZ	670	380021-382499 8MOSTELLER -8CONASAUGA 1	NC-SC	SE	29	-0.98	0	0	29	0.98
5ALBERTVILLE360283 TVAZ 5ATTALLA5 384332 SE	670	380021-382499 8MOSTELLER -8CONASAUGA 1	NC-SC	TVAZ	0	0	80	13.79	80	13.79
8VOLUNTEER 360097 TVAZ 8PHIPPS B NP360102 TVAZ	670	380021-382499 8MOSTELLER -8CONASAUGA 1	TVAZ	SE	36	-9.29	0	0	36	9.29
MIRRO 698600 WPS N.EAST 698601 WPS	679	380021-382499 8MOSTELLER -8CONASAUGA 1	TVAZ	TVAZ	3	-1.69	0	0	3	1.69
17GOODLAND 255129 NIPS 17GOODLAND 255319 NIPS	681	698590-698598 SHOTO -MANRAP 1	WPS	WPS	6	-0.16	0	0	6	0.16
MADLV8 605063 WAUE MADLIA8 630090 ALTW	686	255129-255173 17GOODLAND -17REYNOLDS 1; 255129-	NIPS	NIPS	775	-34.24	0	0	775	34.24
BNE JCT5 631079 ALTW FT.DODG5 636020 MEC	688	255319 17GOODLAND -17GOODLAND 2	WAUE	ALTW	2	-1.8	0	0	2	1.8
FRANKLN5 636230 MEC WALL LK5 636235 MEC	688	630096-631045 HUNTLEY N8 -HUNTLEY5 1	ALTW	MEC	0	0	5	0.68	5	0.68
16GUION 254523 IPL 16GUION 254601 IPL	688	635600-636010 GRIMES 3 -LEHIGH 3 1	MEC	MEC	0	0	3	0.18	3	0.18
08WAB R 249633 DUK-IN 08WAB R 249869 DUK-IN	697	635600-636010 GRIMES 3 -LEHIGH 3 1	IPL	IPL	277	-32.97	0	0	277	32.97
TRIBOJI J1 8630023 ALTW WAHPETN8 630474 ALTW	711	254523-254601 16GUION -16GUION S; 254523-254532	DUK-IN	DUK-IN	2	-0.11	0	0	2	0.11
LAKEFLD L1 5631041 ALTW DKS_N CO5 631124 ALTW	713	16GUION -16ROCKVL 0	ALTW	ALTW	95	-23.72	0	0	95	23.72
BRAIDWOOD; B270670 COMED E FRANKFO; B270728 COMED	713	249630-249633 08STAUTN -08WAB R 1	ALTW	ALTW	0	0	3	0.02	3	0.02
4LTV STL NTP348919 AMIL 4PRINCETN TP348921 AMIL	721	631183-656570 CAYLER5 -WISDOM5 1	COMED	COMED	15	-0.53	0	0	15	0.53
4KEWANEE STP348924 AMIL 4KEWANEE S 348974 AMIL	727	631183-656570 CAYLER5 -WISDOM5 1	AMIL	AMIL	0	0	1321	134.45	1321	134.45
LORETTO ; B270704 COMED WILTON ; B270926 COMED	727	270670-270671 BRAIDWOOD; B-BRAIDWOOD; RZ; 270670-270710 BRAIDWOOD; B-DAVIS CRK; B1; 270710-275174 DAVIS CRK; B-DAVIS CRK; 3M1	AMIL	AMIL	0	0	28	1.53	28	1.53
MAZON ; R271987 COMED OGLESBY ; T272189 COMED	728	271838-348923 KEWANEE ;13-4KEWANEE N Z	COMED	COMED	117	-7.09	0	0	117	7.09
BONDRNT3 635680 MEC MNTZUMA3 635730 MEC	730	270717-270853 DRESDEN ; R-PONTIAC ; R1; 275210-272261 PONTIAC ;2M-PONTIAC ; R1; 275310-275210 PONTIAC ;2C-PONTIAC ;2M1	COMED	COMED	0	0	202	37.91	202	37.91
WABACO 5 681532 DPC ROCHSTR5 681537 DPC	731	271844-271908 KICKAPOO ; B-LASCO STA; B1	MEC	MEC	4	-0.06	0	0	4	0.06
5MATANZAS 324173 LKE 5WLSNBR 340553 BREC	734	631139-636199 HAZLTON3 -BLACKHAWK 3 1	DPC	DPC	0	0	880	72.2	880	72.2
	734	601039-601044 NR0C 3 -BRIGGS RD 3 1	LKE	BREC	0	0	1996	292.34	1996	292.34

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
MT VERN5 631073 ALTW WYOMING5 631099 ALTW CHERRY VA; B271192 COMED CHERRY VA;2M275166 COMED	735	631139-631191 HAZLTON3 -HCKRYCK3 1	ALTW	ALTW	9	-2.62	0	0	9	2.62
	738	270918-275231 WEMPLETOW; B-WEMPLETOW;4M1	COMED	COMED	0	0	3	7.67	3	7.67
TOLLWAY ; B 270900 COMED TOLLWAY ;3M275225 COMED	739	272486-272740 S ELGIN ;BT-WAYNE ; B1	COMED	COMED	251	-7.36	0	0	251	7.36
TOLLWAY ; B 270900 COMED TOLLWAY ;3M275225 COMED	740	272487-272741 S ELGIN ;RT-WAYNE ; R1	COMED	COMED	92	-1.09	0	0	92	1.09
17AETNA 255115 NIPS 17LK_GEORGE 255149 NIPS	743	255149-255155 17LK_GEORGE -17MILLER 1	NIPS	NIPS	0	0	45	2.28	45	2.28
DARDANES 505508 SPP-C CLARKSV5 505514 SPP-C	745	337909-515305 8ANO% -FTSMITH8 1	SPP-C	SPP-C	0	0	2	0.1	2	0.1
4CHAMPAGNE! 335455 EES-LA PLAISAN4 500720 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	EES-LA	CLEC	0	0	192	7.93	192	7.93
COUGH 4 500230 CLEC MANUEL 4 500540 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	CLEC	CLEC	105	-5.8	0	0	105	5.8
COUGH 4 500230 CLEC PLAISAN4 500720 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	CLEC	CLEC	69	-24	0	0	69	24
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	747	500190-500880 COCODR 6 -VILPLT 6 1	EES-LA	EES-LA	18	-0.05	0	0	18	0.05
4RICHARD% 335366 LAGN EUNICE 4 500300 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	LAGN	CLEC	0	0	73	1.26	73	1.26
8BOGALUS 336130 EES-LA 6ADMSCRK% 336131 EES-LA	749	335836-336562 8MCKNIGHT% -8FRANKLIN% 1	EES-LA	EES-LA	219	-10.6	0	0	219	10.6
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	749	335836-336562 8MCKNIGHT% -8FRANKLIN% 1	EES-LA	EES-LA	0	0	85	1.07	85	1.07
BVISTA 4 500060 CLEC ELPTAP 4 500290 CLEC	750	335368-335500 8WELLS% -8WEBRE% 1	CLEC	CLEC	9	-0.07	0	0	9	0.07
ELPTAP 4 500290 CLEC WAXLAKE4 500890 CLEC	750	335368-335500 8WELLS% -8WEBRE% 1	CLEC	CLEC	0	0	1	0.03	1	0.03
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	750	335368-335500 8WELLS% -8WEBRE% 1	EES-LA	EES-LA	2	0	88	0.3	90	0.3
3TRUSSEL_CR 303310 LAGN 3REESE 337380 EES-LA	751	337561-337562 8EL DORADO% -7EL DORADO 1	LAGN	EES-LA	7	-7.12	0	0	7	7.12
5HORN LAKE% 337181 EES-MS 5ALLEN FP 360174 TVAZ	752	360023- 98868 8FREEPORT TN-YBUS1130 1	EES-MS	TVAZ	750	-76.38	0	0	750	76.38
4NELSON% 335200 EES-LA 4LC_BULK_N! 335210 EES-LA	754	335192-335367 8NELSON% -8RICHARD% 1	EES-LA	EES-LA	17	-1.16	0	0	17	1.16
6AMELIA! 334327 EES-TX 6HELBIG% 334360 EES-TX	755	334320-334325 8CYPRESS% -8HARTBRG% 1	EES-TX	EES-TX	0	0	1	0.17	1	0.17
3CABOT 338006 EES-ARK 3HOLND BTM! 338016 EES-ARK	759	338140-338145 8HOLND BTM% -8ISES% 1	EES-ARK	EES-ARK	0	0	1	0.14	1	0.14
8KEO% 337957 EES-ARK 8W.MEMPHIS% 338162 EES-ARK	767	338187-338188 8DELL% -8SANS SOUCI%1	EES-ARK	EES-ARK	7	-0.44	0	0	7	0.44
3MENDENHALL 336762 EES-MS 3STAR 336763 EES-MS	781	336130-336562 8BOGALUS -8FRANKLIN% 1	EES-MS	EES-MS	0	0	29	2.31	29	2.31
5STEELE! 338194 EES-ARK 5BLYTHVL.N#338804 EES-ARK	790	301406-338187 8WNEWMADRID -8DELL% 1	EES-ARK	EES-ARK	3	-0.02	0	0	3	0.02
3ELLIOTT+ 337062 EES-MS 3S.GRENADA! 337063 EES-MS	791	337000-337011 6MCADAMS% -6ATTALA 1	EES-MS	EES-MS	0	0	3	7.85	3	7.85
3STANDARD! 337340 EES-LA 3WINNFIELD! 337343 EES-LA	793	337420-337561 8STERLING% -8EL DORADO% 1	EES-LA	EES-LA	0	0	1084	31.24	1084	31.24
3REED% 337600 EES-ARK 3DUMAS% 337602 EES-ARK	793	337420-337561 8STERLING% -8EL DORADO% 1	EES-ARK	EES-ARK	0	0	147	15.15	147	15.15
6CANTON 336866 EES-MS 6PICKENS! 337015 EES-MS	800	336945-337009 8LAKEOVER% -8MCADAMS% 1	EES-MS	EES-MS	0	0	80	12.4	80	12.4
6ESSO% 335642 EES-LA 6DELMONT 335664 EES-LA	811	303005-335500 8BIG_CAJUN2%-8WEBRE% 1	EES-LA	EES-LA	4	-1.57	0	0	4	1.57
3BEAVER_CRK!337310 EES-LA BC PST 4 500070 CLEC	817	337343-337341 3WINNFIELD! -6WINNFIELD! 1	EES-LA	CLEC	0	0	126	0.35	126	0.35
8DELL% 338187 EES-ARK 8SANS SOUCI%338188 EES-ARK	828	338162-360075 8W.MEMPHIS% -8BHAM STEEL 1	EES-ARK	EES-ARK	28	-0.26	0	0	28	0.26
8SANS SOUCI%338188 EES-ARK 8DRIVER% 338198 EES-ARK	828	338162-360075 8W.MEMPHIS% -8BHAM STEEL 1	EES-ARK	EES-ARK	1089	-24.68	0	0	1089	24.68

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3COUCH% 337502 EES-ARK 3MCNEIL! 337516 EES-ARK	850	337664-337685 3FRNDSHIP AR-3HS EHV-W! 1	EES-ARK	EES-ARK	0	0	3	5.74	3	5.74
6CROSSROADS!337100 EES-MS 3CLARKMUN 500164 CLEC	867	337100-337107 6CROSSROADS!-6MOONLAKE% 1	EES-MS	CLEC	74	-7.94	0	0	74	7.94
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	871	337304-500200 6MONTGOMERY!-COLFAX 6 1	EES-LA	EES-LA	3	0	10	0.07	13	0.07
8MABELVALE% 337808 EES-ARK 8WRIGHTSVLE%337860 EES-ARK	880	337651-337957 8WHT BLUFF% -8KEO% 1	EES-ARK	EES-ARK	17	-0.22	0	0	17	0.22
5HARRISON.E!338104 EES-ARK 5SUMMIT 338121 EES-ARK	893	338108-338110 5ST JOE -5HILLTOP% 1	EES-ARK	EES-ARK	0	0	2	0.45	2	0.45
3NATCHEZSES%336500 EES-MS 3RED_GUM! 337327 EES-LA	897	337320-337321 3PLANTATION!-3VIDALIA_LA 1	EES-MS	EES-LA	0	0	1779	180.3	1779	180.3
3S_FERDAY_TP337319 EES-LA 3PLANTATION!337320 EES-LA	897	337320-337321 3PLANTATION!-3VIDALIA_LA 1	EES-LA	EES-LA	0	0	366	37.32	366	37.32
8FRANKLIN% 336562 EES-MS 8R.BRASWELL%336839 EES-MS	913	336562-336820 8FRANKLIN% -8GGNS% 1	EES-MS	EES-MS	0	0	5	0.06	5	0.06
3MENDENHALL 336762 EES-MS 3STAR 336763 EES-MS	916	360654-360688 8CHOCTAW MS -8CLAY 1	EES-MS	EES-MS	0	0	988	59.87	988	59.87
3GREENWOOD+ 337023 EES-MS 3GREENWOOD! 337054 EES-MS	916	360654-360688 8CHOCTAW MS -8CLAY 1	EES-MS	EES-MS	29	-5.09	0	0	29	5.09
5BATESVILLE 360214 TVAZ 5STALLHACH IP361402 TVAZ	916	360654-360688 8CHOCTAW MS -8CLAY 1	TVAZ	TVAZ	351	-58.1	0	0	351	58.1
4SPLENDRI 334118 EES-TX 4JACINTO% 334208 EES-TX	946	334203-334204 6CHPTSR1 -6CHINA% 1	EES-TX	EES-TX	0	0	36	53.97	36	53.97
3BEAVER_CRK!337310 EES-LA 3JENA 337312 EES-LA	959	500200-500770 COLFAX 6 -RODEMR 6 1	EES-LA	EES-LA	9	-0.03	0	0	9	0.03
5BATESVL 318301 SMEPA 5BATESVILLE 360214 TVAZ	978	318301-360214 5BATESVL -5BATESVILLE 2	SMEPA	TVAZ	422	-40.52	0	0	422	40.52
YBUS1130 98868 TVAZ 8FREEPORT TN360023 TVA	981	360023-360025 8FREEPORT TN-8CORDOVA TN 1	TVAZ	TVA	0	0	271	21.8	271	21.8
5SEQUOYAH NP360082 TVAZ 5CONCORD TN 360413 TVAZ	1007	360081-360662 8SEQUOYAH NP-8BRADLEY TN 1	TVAZ	TVAZ	801	-169.11	0	0	801	169.11
5CLAY 360689 TVAZ 5ABERD MS TP361121 TVAZ	1013	360035-360688 8WEST POINT -8CLAY Z	TVAZ	TVAZ	356	-95.93	0	0	356	95.93
MARYVLE5 541251 MPS CLRND5 635034 MEC	1025	300097-652560 5MARYVL -CRESTON5 1	MPS	MEC	9	-2.77	0	0	9	2.77
YBUS1417 98581 SPP-C AFTON 5 512632 GRDA	1037	512631-512632 MIAMI 5 -AFTON 5 1	SPP-C	GRDA	0	0	40	12.26	40	12.26
3MAGEE! 336760 EES-MS 3COLLINS 388280 SE	1047	388270-388310 6HATBG SW6 -6PURVIS B1 1	EES-MS	SE	1	-0.07	0	0	1	0.07
7OVERTON 345408 AMMO 5OVERTON 345409 AMMO	1056	345088-345408 7MCCREDIE -7OVERTON 1	AMMO	AMMO	1	-0.01	0	0	1	0.01
5THMHIL 300120 AECIZ 5ADAIR1 344004 AMMO	1058	345435-345992 7MAYWOOD -7SPENCER 1	AECIZ	AMMO	76	-16.6	0	0	76	16.6
5SPALDNG 300058 AECIZ 5MARN TAP 345034 AMMO	1058	345435-345992 7MAYWOOD -7SPENCER 1	AECIZ	AMMO	0	0	13	3.47	13	3.47
5MOBTAP 300126 AECIZ 5MOBERLY 345221 AMMO	1063	300120-543062 5THMHIL -SALSBRYS 1	AECIZ	AMMO	12	-2.86	0	0	12	2.86
6N SELMA6 384489 SE 6HARRIS SS 385500 SE	1070	384375-384374 8S.BESS 8 -6S.BESS 6 1	SE	SE	0	0	42	2.09	42	2.09
8WID CRK FP 360065 TVAZ 8SEQUOYAH NP360081 TVAZ	1072	360050-360052 8MAURY TN -8BR FERRY NP1	TVAZ	TVAZ	1	-0.19	0	0	1	0.19
YBUS737 99261 IPL 16PETE 254529 IPL	1075	254529- 99260 16PETE -YBUS738 W	IPL	IPL	0	0	103	6.42	103	6.42
LAMBTON_L4D 160050 IESO 19STCPP 264656 DECO	1077	160065-264830 LAMBTON_L51D-19STCPP 1	IESO	DECO	1017	0	170	0	1187	0
MOSES E 147839 NY ST_LAWR_L33P155072 IESO	1078	147839-155073 MOSES E -ST_LAWR_L34P1	NY	IESO	0	0	6685	12.05	6685	12.05
MOSES E 147839 NY ST_LAWR_L34P155073 IESO	1079	147839-155072 MOSES E -ST_LAWR_L33P1	NY	IESO	0	0	6924	16.12	6924	16.12
YBUS2578 97420 BEPC LELANDO3 659105 WAPA	1081	659105- 97421 LELANDO3 -YBUS2577 1	BEPC	WAPA	0	0	2344	135.96	2344	135.96
YBUS1353 98645 SPP-C CATSAGR5 512638 AEPW	1082	512638- 98646 CATSAGR5 -YBUS1352 1	SPP-C	AEPW	0	0	547	78.17	547	78.17
YBUS1489 98509 SPP-C SEMINOL7 515045 OKGE	1084	515045- 98510 SEMINOL7 -YBUS1488 1	SPP-C	OKGE	0	0	39	21.18	39	21.18
YBUS1409 98589 SPP-C SHAM 3WT 512107 AEPW	1092	511541-511557 SWEETWT6 -CHISHOLM6 1	SPP-C	AEPW	0	0	676	183.86	676	183.86
05FALL C 243222 AEP 16SUNNYS 254535 IPL	1095	249529-254523 08WHITST -16GUION 1	AEP	IPL	6	-0.3	0	0	6	0.3

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02LALENDORF241901 DECO 19MON12 264612 FE-ATSI	1099	238530-256583 02ALLEN -18MOROCCO 1; 264594-264613	DECO	FE-ATSI	0	0	895	71.98	895	71.98
19BAXTR 264519 DECO 19DIG 264562 DECO	1101	264610-264616 19DIGTP -19NAVAR 1	DECO	DECO	0	0	1324	9.61	1324	9.61
19DIG 264562 DECO 19DIGTP 264610 DECO	1101	264610-264616 19DIGTP -19NAVAR 1	DECO	DECO	3	0	0	0	3	0
02LALENDORF241901 DECO 19MON12 264612 FE-ATSI	1102	264594-264839 19LULU -19MILAN 1; 238530-256583	DECO	FE-ATSI	0	0	1	0.01	1	0.01
GRE-STANTON4615901 GRE SQBUTTE4 657756 MPC	1117	02ALLEN -18MOROCCO 1	GRE	MPC	0	0	1390	2.5	1390	2.5
GRE-STANTON4615901 GRE SQBUTTE4 657756 MPC	1118	615600-615001 GRE-COAL CR4-GRE-COAL 41G1	GRE	MPC	0	0	422	0.34	422	0.34
CENTER 4 657751 MPC SQBUTTE4 657756 MPC	1119	615600-615002 GRE-COAL CR4-GRE-COAL 42G1	MPC	MPC	0	0	39	0.09	39	0.09
HANKSON4 620327 OTP WAHPETN4 620329 OTP	1119	620358-620369 BUFFALO3 -JAMESTN3 1	OTP	OTP	293	-30.73	0	0	293	30.73
NEOSHO 5 532937 WR RIV4525 547469 EDE	1130	620358-620369 BUFFALO3 -JAMESTN3 1	WR	EDE	42	-1.49	0	0	42	1.49
TWIN CH4 640386 NPPD SIOUXCY4 652565 WAUE	1133	532932-547476 LITCH 5 -ASB349 5 1	NPPD	WAUE	0	0	183	54.82	183	54.82
CMRIVTP3 539652 SECI E-LIBER3 539672 SECI	1135	635200-640226 RAUN 3 -HOSKINS3 1	SECI	SECI	3611	-1.89	2	0.01	3613	1.9
YBUS1731 98267 SPP-C EDDY_NORTH 6527799 SPS	1137	539640-539777 HAYNE3 -NLBTAP-B3 1	SPP-C	SPS	0	0	6	0.33	6	0.33
SPRGFLD5 505492 SPP-C CLAY 5549970 SPRM	1142	527799-527800 EDDY_NORTH 6-EDDY_SOUTH 61	SPP-C	SPRM	9	-8.64	0	0	9	8.64
17GOODLAND 255129 NIPS 17REYNOLDS 255173 NIPS	1145	300042-300045 7HUBEN -7MORGAN 1	NIPS	NIPS	1181	-60.3	0	0	1181	60.3
17GOODLAND 255129 NIPS 17REYNOLDS 255173 NIPS	1147	255319-255352 17GOODLAND -17REMINGTON 9	NIPS	NIPS	1532	-79.62	0	0	1532	79.62
17CHICAGO_AV255124 NIPS 17PRAXAIR-3 255169 NIPS	1159	348232-348458 4SHELDONS -4WATSEKA 1	NIPS	NIPS	1	-0.27	0	0	1	0.27
05DUMONT 243219 AEP 17STILLWELL 255113 NIPS	1159	243206-270644 05DUMONT -WILTON ; 1	AEP	NIPS	0	0	2	0.28	2	0.28
17ROXANA 255172 NIPS STATELINE; B272502 COMED	1159	243206-270644 05DUMONT -WILTON ; 1	NIPS	COMED	0	0	7	0.03	7	0.03
17STJOHN 255112 NIPS CRETE EC ;BP274750 COMED	1159	243206-270644 05DUMONT -WILTON ; 1	NIPS	COMED	0	0	2	0.17	2	0.17
7GOOS_CRK 348770 AMIL 7RISING 348882 AMIL	1159	243206-270644 05DUMONT -WILTON ; 1	AMIL	AMIL	2	-0.19	0	0	2	0.19
17STILLWELL 255113 NIPS 17STILLWELL 255180 NIPS	1172	243219-255113 05DUMONT -17STILLWELL 1	NIPS	NIPS	11	-1.4	0	0	11	1.4
4HAVANA S 347212 AMIL 4HAVANA E 348908 AMIL	1173	349661-349740 7DUCK CRK -7MAPLE RIDGE1	AMIL	AMIL	0	0	1	2.31	1	2.31
YBUS1965 98033 KCPL HAWTH 7 542972 KCPL	1184	542972- 98032 HAWTH 7 -YBUS1966 2	KCPL	KCPL	0	0	244	23.15	244	23.15
ADAMS L2 5 631123 ALTW HAYWARD L1 5631127 ALTW	1185	613042-631044 MURPHY CR 5 -HAYWARD L2 51	ALTW	ALTW	0	0	2	0.37	2	0.37
WABACO 5 681532 DPC ROCHSTR5 681537 DPC	1187	601028-694003 EAU CL 3 -ARPIN B4 1; 601014-601028 AS	DPC	DPC	0	0	11	0.28	11	0.28
4PAXTON E 347972 AMIL 4GIFFORD 348118 AMIL	1197	KING3 -EAU CL 3 1	AMIL	AMIL	5	-0.07	0	0	5	0.07
5MIDWY JRDN#338813 EES-ARK BULL SH5 505460 SPP-C	1199	255129-255159 17GOODLAND -17MORRISON 1	EES-ARK	SPP-C	0	0	688	141.93	688	141.93
3WOODWARD% 337620 EES-ARK 3ALTHEIMER+ 337962 EES-ARK	1207	504440-505460 BUFORD 5 -BULL SH5 1	EES-ARK	EES-ARK	111	-23.48	0	0	111	23.48
SWISVAL7 532774 WR DOUGLAS7 532776 WR	1217	337633-337968 6WOODWARD! -6RICUSKEY% 1	WR	WR	2	-0.05	0	0	2	0.05
MINGO 7 531451 SECI REDWIL03 640325 NPPD	1221	532775-542977 87TH 7 -CRAIG 7 1	SECI	NPPD	41	-2.23	0	0	41	2.23
7JOPPA TS 347325 AMIL 5JOPPA TS 351003 AMMO	1225	530583-640065 POSTROCK7 -AXTELL 3 1	AMIL	AMMO	10	-0.34	0	0	10	0.34
CBLUFF55 635001 MEC S1206 5 646206 OPPD	1227	360001-360002 8SHAWNEE FP -7SHAWNEE FP 1	MEC	OPPD	82	-3.05	0	0	82	3.05
SHENDR 340560 BREC 4HENDR 340617 BREC	1242	635000-645456 CBLUFFS3 -S3456 3 1	BREC	BREC	0	0	77	11.19	77	11.19
02LALENDORF241901 DECO 19MON12 264612 FE-ATSI	1252	253620-340562 10ABB345 -7REID 1	DECO	FE-ATSI	0	0	3	0.09	3	0.09
7OVERTON 345408 AMMO 5OVERTON 345409 AMMO	1277	256583-264594 18MOROCCO -19LULU 1; 264594-264839	AMMO	AMMO	272	-17.54	0	0	272	17.54
5LOY MARTIN 344040 AMMO 5GUTHRIE 344677 AMMO	1277	19LULU -19MILAN 1	AMMO	AMMO	0	0	1	0.01	1	0.01
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	1284	345088-345230 7MCCREDIE -7MONTGMRY 1; 300044-345088 7MCCRED -7MCCREDIE Z	EES-LA	EES-LA	0	0	469	7.24	469	7.24

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
3DODSON 337344 EES-LA 3DANVILLE LAI337345 EES-LA	1284	337368-509366 8MT_OLIVE% -LAYFLD8 1	EES-LA	EES-LA	0	0	34	7.9	34	7.9
3CABOT 338006 EES-ARK 3HOLND BTM! 338016 EES-ARK	1285	338144-338142 8ISES-XF -5ISES% 1; 338144-338142 8ISES-XF -5ISES% 2	EES-ARK	EES-ARK	0	0	3	1.17	3	1.17
5NEWMAD 300103 AECIZ 5TIPTONVL TN361261 TVAZ 5MARKEDTREE!338165 EES-ARK 5HARRISBURG+338167 EES-ARK	1286	338188-338198 8SANS SOUCI%-8DRIVER% 1	AECIZ	TVAZ	126	-4.63	0	0	126	4.63
	1286	338188-338198 8SANS SOUCI%-8DRIVER% 1	EES-ARK	EES-ARK	0	0	311	43.28	311	43.28
5RIDGELY TN 360521 TVAZ 5TIPTONVL TN361261 TVAZ	1286	338188-338198 8SANS SOUCI%-8DRIVER% 1	TVAZ	TVAZ	0	0	181	29.96	181	29.96
GR JCT 5 631074 ALTW DRAGER5 656283 CBPC	1296	635300-635330 MONONA 5 -CRWFRD 5 1	ALTW	CBPC	0	0	644	36.47	644	36.47
LAKEFLD3 631138 ALTW OBRIEN 3 635368 MEC	1306	635200-635400 RAUN 3 -HIGHLND 3 1	ALTW	MEC	0	0	695	38.51	695	38.51
LKFLDXL3 601029 NSP LAKEFLD3 631138 ALTW	1310	601010-600005 MNTCELO3 -MNTCE31G 1	NSP	ALTW	0	0	247	6.59	247	6.59
LITTLEF7 608650 MP GRE-LANGLTP7617000 GRE	1311	608617-615319 MUDLAKE4 -GRE-BENTON 41	MP	GRE	0	0	1	1.52	1	1.52
4DIAMSTR TP1348745 AMIL 4MCLEAN CO 348854 AMIL	1318	270853-348847 PONTIAC ; R-7BROKAW 1	AMIL	AMIL	14	-13.35	0	0	14	13.35
WILMART7 603002 NSP SWAN LK7 603003 NSP	1325	601004-601072 WILMART3 -SHEAS LK3 1	NSP	NSP	10	-3.22	0	0	10	3.22
YBUS2652 97346 WPS STONE LK B1 694075 WPS	1327	694107-699676 PERSHING -GARDR PK 1	WPS	WPS	0	0	724	1.34	724	1.34
HOLCOMB7 603150 NSP CORNELL 603224 NSP	1327	694107-699676 PERSHING -GARDR PK 1	NSP	NSP	0	0	630	8.27	630	8.27
SUNNYVAL 699666 WPS SHRMN ST 699704 WPS	1327	694107-699676 PERSHING -GARDR PK 1	WPS	WPS	0	0	66	47.02	66	47.02
HOLCOMB7 603150 NSP PERSHING 7 603281 NSP	1327	694107-699676 PERSHING -GARDR PK 1	NSP	NSP	80	-0.9	0	0	80	0.9
BLUEETA5 602003 NSP HUNTLEY5 631045 ALTW	1331	601004-601033 WILMART3 -FIELD_N3 1	NSP	ALTW	0	0	550	207.61	550	207.61
18TITBAW 256290 CONS 18REDSTONE 256542 CONS	1342	256066-256542 18REGAL -18REDSTONE 1	CONS	CONS	0	0	7	0.3	7	0.3
18ALPEN A 256042 CONS SPRUCE RD 256272 CONS	1344	256003-256012 18GALAGR -18LVNSTN 1	CONS	CONS	0	0	6	0.06	6	0.06
6LAYFLD 500465 CLEC WKRAFT 6 500910 CLEC	1380	334325-509366 8HARTBRG% -LAYFLD8 1	CLEC	CLEC	5	-0.21	0	0	5	0.21
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	1380	334325-509366 8HARTBRG% -LAYFLD8 1	EES-LA	EES-LA	0	0	133	1.48	133	1.48
COOPER 4 500220 CLEC LEESV 4 500480 CLEC	1380	334325-509366 8HARTBRG% -LAYFLD8 1	CLEC	CLEC	0	0	4	0.18	4	0.18
TENRUSK7 508585 SPP-C CROCKET7 509241 SPP-C	1380	334325-509366 8HARTBRG% -LAYFLD8 1	SPP-C	SPP-C	69	-3.97	0	0	69	3.97
4FORK CK 334281 EES-TX 4RAYBURN% 334282 EES-TX	1384	334028-509241 7GRIMES% -CROCKET7 1	EES-TX	EES-TX	0	0	7	0.15	7	0.15
DOLHILL7 500250 CLEC DOLHILL6 500260 CLEC	1384	334028-509241 7GRIMES% -CROCKET7 1	CLEC	CLEC	125	-1.12	0	0	125	1.12
WAUKEGAN ; R270915 COMED ZION STA ;0B270942 COMED	1385	270914-270940 WAUKEGAN ; B-ZION STA ; B1	COMED	COMED	0	0	6	4.86	6	4.86
TRK RIV5 631060 ALTW STONEMAN 681519 DPC	1386	631191-693863 HCKRYCK3 -EDEN 345 1	ALTW	DPC	22	-12.65	0	0	22	12.65
EEN 138 699034 ALTE WYV 138 699115 ALTE	1387	693863-699829 EDEN 345 -CARDINAL 1	ALTE	ALTE	10	-0.33	0	0	10	0.33
07NWTVL1 248435 HE 10NTVL16 253580 SIGE	1388	247851-340563 05ROCKPT -7COLEMAN 1	HE	SIGE	0	0	1	0.03	1	0.03
WILMART7 603002 NSP SWAN LK7 603003 NSP	1401	601050-601072 HELENA 3 -SHEAS LK3 1	NSP	NSP	1	-0.07	0	0	1	0.07
BLK DOG7 603061 NSP WILSON 7 603116 NSP	1402	603061-603204 BLK DOG7 -WILSON TAP7 3	NSP	NSP	13	-3.18	0	0	13	3.18
GRE-MCHENRY7615348 GRE OTP VOLTAIRE620283 OTP	1403	602052-615347 MAGIC CITY 4-GRE-MCHENRY41	GRE	OTP	465	-1.33	0	0	465	1.33
ST LAKES 602017 NSP MINONG 5 608631 MP	1405	601001-601017 FORBES 2 -CHIS-N 2 1	NSP	MP	310	-0.05	0	0	310	0.05
16L TAP7 608718 MP COTTNTP7 608720 MP	1405	601001-601017 FORBES 2 -CHIS-N 2 1	MP	MP	313	-4.57	0	0	313	4.57
ARROWHD7 608673 MP GRE-BERGNT7618001 GRE	1405	601001-601017 FORBES 2 -CHIS-N 2 1	MP	GRE	1	0	0	0	1	0
ARROWHD7 608673 MP GARY 7 608679 MP	1407	608676-608680 HIBBARD7 -WNTR ST7 1	MP	MP	670	-1.35	0	0	670	1.35
GR RPDS7 608740 MP GRE-POKEGMT7618009 GRE	1408	608612-608625 RIVERTN4 -BLCKBRY4 1	MP	GRE	47	-0.68	0	0	47	0.68
NIW 5 631036 ALTW COLBYS 631202 ALTW	1413	601002-631144 ADAMS 3 -MITCHLCO3 1	ALTW	ALTW	0	0	15	8.93	15	8.93
FRANKLN5 636230 MEC WALL LK5 636235 MEC	1415	631197-635369 LEDYARD3 -KOSSUTH 3 1	MEC	MEC	0	0	1	0.09	1	0.09
LAKEFLD3 631138 ALTW OBRIEN 3 635368 MEC	1415	631197-635369 LEDYARD3 -KOSSUTH 3 1	ALTW	MEC	0	0	53	1.74	53	1.74
LAWRENC7 603012 NSP SIOUXFL7 652524 BEPC	1419	602004-652523 SPLT RK4 -SIOUXFL4 1	NSP	BEPC	794	-75.56	0	0	794	75.56
05NEWCAR 243349 AEP 05BOSSERMAN 247489 AEP	1424	243353-247489 05OLIVE -05BOSSERMAN 1	AEP	AEP	93	-28.1	0	0	93	28.1

Flow Gate			Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
05OLIVE	243353 AEP	05BOSSERMAN 247489 AEP	1425	243349-243353 05NEWCAR -05OLIVE 1	AEP	AEP	341	-245.45	0	0	341	245.45
07HUBBL8	248831 HE	08BATESV 249691 DUK-IN	1432	243233-249567 05TANNER -08M.FORT 1	HE	DUK-IN	0	0	56	58.18	56	58.18
05TANNER	243233 AEP	06DEARB1 248001 AEP	1432	243233-249567 05TANNER -08M.FORT 1	AEP	AEP	1779	-145.02	0	0	1779	145.02
06DEARB1	248001 AEP	06PIERCE 248013 AEP	1432	243233-249567 05TANNER -08M.FORT 1	AEP	AEP	17	-5.31	0	0	17	5.31
17GARY_AVE	255251 NIPS	17GARY_AVE 255252 NIPS	1439	255111-255251 17SHEFFIELD -17GARY_AVE 1	NIPS	NIPS	39	-5.13	0	0	39	5.13
19STC12	264960 DECO	19LENOX2 264971 DECO	1453	264798-264961 19CRBNTP -19STC10 1	DECO	DECO	7	-0.22	0	0	7	0.22
ALPINE ;R270981	COMED	BELVIDERE; R271083 COMED	1457	270694-270883 CHERRY VA; B-SILVER LK; R1	COMED	COMED	3	-7.74	0	0	3	7.74
6ANGIE	303222 LAGN	6ADMSCRK% 336131 EES-LA	1461	303223-336137 6FR_BRANCH -6SLIDEL! 1	LAGN	EES-LA	0	0	245	10.29	245	10.29
3BATESVILLE	361116 TVAZ	YBUS1158 98840 TVA	1462	318308-337123 6BATESVL -6BATESVILLE1	TVAZ	TVA	0	0	360	9.81	360	9.81
CAROLTN5	543060 KCPL	BRUNSWK5 543061 KCPL	1475	345408-541201 7OVERTON -SIBLEY 7 1	KCPL	KCPL	0	0	6	1.44	6	1.44
7NEOGA	347821 AMIL	4NEOGA 347822 AMIL	1481	346809-347821 7CASEY -7NEOGA 1	AMIL	AMIL	1	-0.03	0	0	1	0.03
WABACO 5	681532 DPC	ROCHSTR5 681537 DPC	1506	601043- 97949 BRIGGS RD 5 -YBUS2049 9	DPC	DPC	0	0	29	19.89	29	19.89
RUGBOTP7	620279 OTP	RUGBY 7 652452 WAUE	1507	615903-620379 GRE-BALTA 4-RUGBY 4 1	OTP	WAUE	2890	-15.52	806	0.71	3696	16.23
DEVILSE7	620265 MPC	DEVILJ7 620267 OTP	1507	615903-620379 GRE-BALTA 4-RUGBY 4 1	MPC	OTP	337	-1.06	0	0	337	1.06
M-TOWN 7	631004 ALTW	BLRSTWN7 631013 ALTW	1508	631000-631083 ABBOTT 5 -TRAER 5 1	ALTW	ALTW	4	-0.47	0	0	4	0.47
WAPELLO8	630048 ALTW	ELDON 8 630408 ALTW	1514	631110-631111 WAPELLO5 -JEFF 5 1	ALTW	ALTW	7	-2.18	0	0	7	2.18
ADAMS 8	630139 ALTW	ADAMS L2 5 631123 ALTW	1516	631123-681527 ADAMS L2 5 -BVR CRK5 1	ALTW	ALTW	0	0	6	6.46	6	6.46
OSPNEY 7	603144 NSP	PERSHING 7 603281 NSP	1527	694076-694107 STONE LK B2 -PERSHING 1	NSP	NSP	0	0	479	14.11	479	14.11
08FVPTS2	249677 DUK-IN	16FVE_T 254591 IPL	1528	249506-249612 08COLMBU -08COLMBU 1	DUK-IN	IPL	0	0	5	0.87	5	0.87
19WTRMN	264690 DECO	19WTRMN4 264984 DECO	1530	264610-264690 19DIGTP -19WTRMN 1	DECO	DECO	1326	-0.46	0	0	1326	0.46
19CANIFP	264730 DECO	19CANIF 264538 DECO	1530	264610-264690 19DIGTP -19WTRMN 1	DECO	DECO	273	-0.1	0	0	273	0.1
6ADDIS%	335536 EES-LA	6TIGER! 335665 EES-LA	1533	336000-336001 6IBERVIL% -6EVGREN! 1	EES-LA	EES-LA	56	-14.99	0	0	56	14.99
WABACO 5	681532 DPC	ROCHSTR5 681537 DPC	1536	601039-613060 NROC 3 -BYRON 3 1	DPC	DPC	0	0	16	2.98	16	2.98
SHEYNNE7	603018 NSP	MAPLTN 7 620203 OTP	1538	601067-620358 BISON 3 -BUFFALO3 1	NSP	OTP	0	0	252	5.37	252	5.37
ARROWH7	608673 MP	GRE-BERGNT7618001 GRE	1543	608614-608622 98L TAP4 -IRONRNG4 1	MP	GRE	1	0	0	0	1	0
16L TAP7	608718 MP	COTTNTP7 608720 MP	1543	608614-608622 98L TAP4 -IRONRNG4 1	MP	MP	486	-6.51	0	0	486	6.51
RUGBOTP7	620279 OTP	RUGBY 7 652452 WAUE	1544	615335-615903 GRE-RAMSEY 4-GRE-BALTA 41	OTP	WAUE	568	-24.14	0	0	568	24.14
HENSEL 7	620257 OTP	LANGDON7 657709 MPC	1545	615335-615907 GRE-RAMSEY 4-GRE-RMSYCB14Z	OTP	MPC	0	0	206	3.24	206	3.24
LANGDON7	657709 MPC	SWEETWA7 657720 MPC	1545	615335-615907 GRE-RAMSEY 4-GRE-RMSYCB14Z	MPC	MPC	0	0	7	0.06	7	0.06
HOOT LK7	620223 OTP	FERGSFL7 658110 MRES	1546	615637-658109 GRE-SILVRLK4-FERGSFL4 1	OTP	MRES	0	0	10	12.33	10	12.33
DEVILSE7	620265 MPC	DEVILJ7 620267 OTP	1547	615908-657755 GRE-RMSYCB24-PRAIRIE4 1	MPC	OTP	7	-0.47	0	0	7	0.47
LAKEFLD3	631138 ALTW	OBRIEN 3 635368 MEC	1548	631193-631197 HUNTLEY3 -LEDYARD3 1	ALTW	MEC	0	0	2	0.15	2	0.15
ST LAKE5	602017 NSP	MINONG 5 608631 MP	1550	694078-699449 STONE LK B4 -ARROWH7 1	NSP	MP	1074	-0.71	0	0	1074	0.71
HIBBARD7	608676 MP	WNTR ST7 608680 MP	1550	694078-699449 STONE LK B4 -ARROWH7 1	MP	MP	2345	-4.99	0	0	2345	4.99
18WHITINGW	256320 CONS	SAMARIA 2 259422 CONS	1551	256320-256662 18WHITINGW -18WHITINGB Z	CONS	CONS	1821	-51.63	0	0	1821	51.63
18WHITINGW	256320 CONS	18WHITINGB 256662 CONS	1552	256320-259422 18WHITINGW -SAMARIA 2 1	CONS	CONS	357	-2.3	0	0	357	2.3
19CANIF	264538 DECO	19CORTL 264544 DECO	1553	264530-264561 19BRSTL1 -19FRISB 1	DECO	DECO	180	-0.27	0	0	180	0.27
19BUNCE1	264536 DECO	19FITZ 265228 DECO	1554	264536-264947 19BUNCE1 -19BUNCE2 Z	DECO	DECO	1560	-1.5	1601	0.02	3161	1.52
19MOHIC1	264776 DECO	19STC2 264963 DECO	1554	264536-264947 19BUNCE1 -19BUNCE2 Z	DECO	DECO	0	0	273	0.01	273	0.01
19STC4	264654 DECO	19TWR2497 265056 DECO	1554	264536-264947 19BUNCE1 -19BUNCE2 Z	DECO	DECO	1	0	0	0	1	0
19BRSTL1	264530 DECO	19FRISB 264561 DECO	1555	264538-264544 19CANIF -19CORTL 1	DECO	DECO	525	-2.17	0	0	525	2.17
19RR1	264647 DECO	19MARON 264767 DECO	1556	264615-264747 19NAVAR -19I-N-RV 1	DECO	DECO	0	0	11	0.02	11	0.02
4ARNOLD 3	344036 AMMO	4MER 1&4 345123 AMMO	1558	344086-345123 4BAUMGT TP2 -4MER 1&4 1	AMMO	AMMO	0	0	1439	58.86	1439	58.86
RUGBOTP7	620279 OTP	RUGBY 7 652452 WAUE	1560	620265-620266 DEVILSE7 -RAMSEY 7 1	OTP	WAUE	5	-0.08	0	0	5	0.08
CLBRTSN7	659112 BEPC	POPLAR 7 661075 BEPC	1561	652421-659262 WILISTN7 -CULBERTSN E71	BEPC	BEPC	1020	-18.73	0	0	1020	18.73
05RILEYC	243080 AEP	05YELLWC 247000 AEP	1563	239269-242993 02RICHLJ -05E.LPSC 1	AEP	AEP	0	0	1519	98.88	1519	98.88

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
18ALBAJ 256031 CONS 18ALBA 263670 WPSC	1566	256031-256599 18ALBAJ -18VANTYLE 1	CONS	WPSC	6	-0.11	0	0	6	0.11
KEWANEE ;13271838 COMED 4KEWANEE N 348923 AMIL	1567	348923-348974 4KEWANEE N -4KEWANEE S Z	COMED	AMIL	0	0	2782	122.6	2782	122.6
BLRSTWN7 631013 ALTW PRAR CK7 631017 ALTW	1568	631001-631012 TOLEDO 5 -BL.PLN.5 1	ALTW	ALTW	28	-11.75	0	0	28	11.75
4KEWANEE N 348923 AMIL 4KEWANEE S 348974 AMIL	1570	348944-349730 7SANDBURG -7FARGO 1	AMIL	AMIL	8	-0.63	0	0	8	0.63
4KEWANEE STP348924 AMIL 4SANDBURG 348972 AMIL	1570	348944-349730 7SANDBURG -7FARGO 1	AMIL	AMIL	1	-0.4	1	0.82	2	1.22
BIGSTON4 620314 OTP BROWNSV4 620325 OTP	1574	620362-620363 OAKES 4 -FORMAN 4 1	OTP	OTP	77	-35.76	0	0	77	35.76
BIGSTON4 620314 OTP BROWNSV4 620325 OTP	1575	620362-661098 OAKES 4 -ELLENDLMVP4 1	OTP	OTP	79	-50.56	0	0	79	50.56
WERNER W B2 694080 WEC N APPLETON 699359 WEC	1578	694033-699359 MORGAN B2 -N APPLETON 1	WEC	WEC	0	0	34	6.05	34	6.05
RACINE4 699472 WEC RACINE1 699471 WEC	1579	698853-699471 RACINE2 -RACINE1 Z	WEC	WEC	29	-0.55	0	0	29	0.55
4N.HARD 340615 BREC 5N.HARD 340616 BREC	1580	324173-340624 5MATANZAS -5BRTAP 1	BREC	BREC	37	-4	0	0	37	4
7PALMYRA 345436 AMMO 5PALMYRA 345437 AMMO	1581	345435-347010 7MAYWOOD -7HERLEMAN 1	AMMO	AMMO	9	-10.88	0	0	9	10.88
5MARBLE N 347516 AMIL 4MARBHD N 347515 AMIL	1581	345435-347010 7MAYWOOD -7HERLEMAN 1	AMIL	AMIL	18	-0.86	0	0	18	0.86
05FALL C 243222 AEP 16SUNNYS 254535 IPL	1584	243222-249515 05FALL C -08NOBLSV 1	AEP	IPL	504	-24.25	0	0	504	24.25
05FALL C 243292 AEP 08NEWCAS 249810 DUK-IN	1585	243222-254535 05FALL C -16SUNNYS 1	AEP	DUK-IN	238	-28.96	0	0	238	28.96
08NOBLSV 249626 DUK-IN 08DURBIN 249637 DUK-IN	1585	243222-254535 05FALL C -16SUNNYS 1	DUK-IN	DUK-IN	4	-0.56	0	0	4	0.56
10ELOT13 253526 SIGE 10802288 253552 SIGE	1586	249510-253620 08GIBSON -10ABB345 1	SIGE	SIGE	0	0	247	8.65	247	8.65
7DAVIESS 324104 LKE 7COLEMAN 340563 BREC	1586	249510-253620 08GIBSON -10ABB345 1	LKE	BREC	0	0	3	0.01	3	0.01
08M.FORT 250057 DUK-OH 08M.FORT 249567 DUK-OH	1587	249567-249575 08M.FORT -08TERMNL 1	DUK-OH	DUK-OH	0	0	12	4.72	12	4.72
08SGROVE 249573 DUK-OH 08SGROVE 250097 DUK-OH	1588	249571-249573 08REDBK1 -08SGROVE 1	DUK-OH	DUK-OH	59	-20.03	0	0	59	20.03
18SPALDG 256271 CONS 18PETISJ 256326 CONS	1589	256147-256215 18GAINES -18MEADWJ 1	CONS	CONS	0	0	30	65.25	30	65.25
19BISMARCK1 264788 DECO 19GOLF2 265023 DECO	1590	264535-264663 19BENSN -19STEPH 1	DECO	DECO	0	0	62	0.05	62	0.05
19CANIF 264538 DECO 19CORTL 264544 DECO	1591	264538-264983 19CANIF -19BRSTL4 1	DECO	DECO	7	-0.02	0	0	7	0.02
4LTV STL NTP348919 AMIL 4PRINCETN TP348921 AMIL	1593	271655-271835 HENNEEPIN; T-KEWANEE ;231	AMIL	AMIL	0	0	29	15.94	29	15.94
CRESCENT ; R271241 COMED OGLESBY ; T272189 COMED	1593	271655-271835 HENNEEPIN; T-KEWANEE ;231	COMED	COMED	152	-8.61	0	0	152	8.61
4INA 347280 AMIL 4WALTON TP 348841 AMIL	1594	346992-348827 7E W FKFT -7W MT VERNON1	AMIL	AMIL	0	0	1379	232.01	1379	232.01
4W FKFT E 348416 AMIL 4W.FRKFT 348425 AMIL	1594	346992-348827 7E W FKFT -7W MT VERNON1	AMIL	AMIL	0	0	996	200.55	996	200.55
4BROKAW 348848 AMIL 4N LEROY TAP348898 AMIL	1595	348770-348850 7GOOS_CRK -7MAROA E JCT1	AMIL	AMIL	57	-16.54	0	0	57	16.54
4BROKAW 348848 AMIL 4N LEROY TAP348898 AMIL	1596	348770-348882 7GOOS_CRK -7RISING 1	AMIL	AMIL	278	-89.73	0	0	278	89.73
4MAKANDA 347499 AMIL 4ORDILL 347883 AMIL	1597	346792-347166 4CARBD NW -4GRAND TW 1	AMIL	AMIL	356	-11.99	0	0	356	11.99
4GIBSON C 347114 AMIL 4CB BROKW TP348913 AMIL	1598	347114-347971 4GIBSON C -4PAXTON 1	AMIL	AMIL	11	-0.22	0	0	11	0.22
MAZON ; R271987 COMED OGLESBY ; T272189 COMED	1599	348745-348854 4DIAMSTR TP1-4MCLEAN CO 1	COMED	COMED	0	0	957	149.58	957	149.58
4GHENT 324253 LKE 4NAS TP 324287 LKE	1601	324105-324109 7GHENT -7NAS 1	LKE	LKE	992	-185.04	0	0	992	185.04
POWESHK5 631113 ALTW BEACON 5 635870 MEC	1602	631143-635730 OTTUMWA3 -MNTZUMA3 1	ALTW	MEC	11	-0.77	0	0	11	0.77
CBLUFFS3 635000 MEC S3456 3 645456 OPPD	1603	635017-640139 ATCHSN 3 -COOPER 3 1	MEC	OPPD	37	-0.4	0	0	37	0.4
19CANIFP 264730 DECO 19CANIF 264538 DECO	1607	264626-264763 19NEAST -19STEPH 1	DECO	DECO	451	-42.17	0	0	451	42.17
LATHAM ; T270804 COMED 7LATHAM 348856 AMIL	1609	270796-270804 KINCAID ; B-LATHAM ; T1	COMED	AMIL	43	-1.16	0	0	43	1.16
IRONRNG4 608622 MP FORBES 4 608624 MP	1610	601001-601013 FORBES 2 -ROSEAU2 1	MP	MP	468	-4.8	0	0	468	4.8
EDG BUS1 694008 ALTE SFL 345 B2 694070 ALTE	1611	694007-694009 CEDRSAUK B4 -EDG BUS2 1	ALTE	ALTE	5	-0.01	0	0	5	0.01
18ENT1 263811 CONS 18REO1 263838 CONS	1615	263801-263850 18ECK1 -18GM-LGR 1	CONS	CONS	0	0	231	9.28	231	9.28
18REO2 263839 CONS 18ECK3 263844 CONS	1615	263801-263850 18ECK1 -18GM-LGR 1	CONS	CONS	0	0	2664	23.81	2664	23.81

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
BROOKLINE 7549984 SPRM YBUS2007 97991 SPRM	1618	549984- 97990 BROOKLINE 7-YBUS2008 2	SPRM	SPRM	347	-58.06	0	0	347	58.06
4KOUNTZE% 334317 EES-TX 4LUMBRTN 334318 EES-TX	1626	334326-334328 6CYPRESS% -6BEVIL 1	EES-TX	EES-TX	0	0	3	0.44	3	0.44
4SO.BMT2! 334389 EES-TX 4CARROLS% 334391 EES-TX	1645	334390-334391 4SO.BMT1! -4CARROLS% 1	EES-TX	EES-TX	0	0	39	6.92	39	6.92
S3 7 652508 WAUE GRANITF7 652551 WAUE	1646	601048- 97947 LYON CO 3 -YBUS2051 9	WAUE	WAUE	343	-64.19	0	0	343	64.19
NEAST 5 542985 KCPL CHARLOT5 543133 KCPL	1647	542985-542988 NEAST 5 -GRAND W5 1	KCPL	KCPL	23	-10.44	0	0	23	10.44
NEOSHO 5 532937 WR RIV4525 547469 EDE	1648	300739-532793 7BLACKBERRY -NEOSHO 7 1	WR	EDE	479	-28.56	0	0	479	28.56
05CLYTR1 242608 AEP 05SCHRIS 242791 AEP	1653	242512-242514 05CLOVRD -05J.FERR 1; 242684-242685	AEP	AEP	244	-67.78	0	0	244	67.78
05M FUNK 242708 AEP 05TECHDR 243874 AEP	1653	05J.FERR -05J.FERX Z	AEP	AEP	0	0	13	1.98	13	1.98
DRESDEN ; R270717 COMED ELWOOD ; R270737 COMED	1654	242512-242514 05CLOVRD -05J.FERR 1; 242684-242685	COMED	COMED	260	-21.27	0	0	260	21.27
8WATERFO 336150 EES-LA 6WATFRD% 336154 EES-LA	1664	270717-270731 DRESDEN ; R-ELECT JCT;4R1; 270717-275180	EES-LA	EES-LA	5	-0.52	0	0	5	0.52
8WATERFO 336150 EES-LA 6WATFRD% 336154 EES-LA	1665	DRESDEN ; R-DRESDEN ;3M1	EES-LA	EES-LA	12	-1.11	0	0	12	1.11
6PANAMA% 336063 EES-LA 6WILTON% 336070 EES-LA	1666	336137-500360 6SLIDEL! -FRONTST6 1; 336149-336153	EES-LA	EES-LA	87	-19.92	0	0	87	19.92
6ST_GABRIEL%335569 EES-LA 6AAC_CORP 335573 EES-LA	1667	6WATFRD_TP% -1WAT U3! 1; 336149-336153	EES-LA	EES-LA	16	-0.66	0	0	16	0.66
6ADMSCRK% 336131 EES-LA 6BOGALUS! 336136 EES-LA	1671	336001-336003 6EVGREN! -6DNLDVL 1; 336149-336153	EES-LA	EES-LA	68	-11.99	0	0	68	11.99
6MCLEWIS 334361 EES-TX 6CHISHOLM% 334429 EES-TX	1743	6WATFRD_TP% -1WAT U3! 1; 336149-336153	EES-TX	EES-TX	22	-10.57	0	0	22	10.57
4TOOMEY 335087 EES-LA 4MARSHALL 335088 EES-LA	1761	334363-334429 6HARTBRG% -6CHISHOLM% 1; 334433-	EES-LA	EES-LA	0	0	11	9.86	11	9.86
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1761	334430 1G3SABIN! -4SABINE% 1	EES-LA	EES-LA	0	0	846	407.44	846	407.44
4FORK CK 334281 EES-TX 4RAYBURN% 334282 EES-TX	1761	334320-334325 8CYPRESS% -8HARTBRG% 1; 334433-334430	EES-TX	EES-TX	0	0	631	263.53	631	263.53
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1764	1G3SABIN! -4SABINE% 1	EES-LA	EES-LA	0	0	29	6.6	29	6.6
4CARLYSS! 335060 EES-LA 6CARLYSS% 335070 EES-LA	1767	335089-335200 4HOLLYWOOD! -4NELSON% 1; 334433-	EES-LA	EES-LA	0	0	78	6.33	78	6.33
8HARTBRG% 334325 EES-TX LAYFLD8 509366 SPP-C	1769	334430 1G3SABIN! -4SABINE% 1	EES-TX	SPP-C	0	0	4	0.59	4	0.59
4BAYOU_COVE%303014 LAGN 4HEBERT 335365 LAGN	1769	335200-335190 4NELSON% -6NELSON% 1; 700004-335190	LAGN	LAGN	8	-1.3	0	0	8	1.3
4BAYOU_COVE%303014 LAGN 4HEBERT 335365 LAGN	1770	6NEWNEL -6NELSON% 1; 700005-335200 4NEWNEL -	LAGN	LAGN	1	0	0	0	1	0

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BVISTA 4 500060 CLEC ELPTAP 4 500290 CLEC	1771	335368-335500 8WELLS% -8WEBRE% 1; 700004-335190 6NEWNEL -6NELSON% 1; 700005-335200 4NEWNEL -4NELSON% 1	CLEC	CLEC	205	-3.8	0	0	205	3.8
BVISTA 4 500060 CLEC ELPTAP 4 500290 CLEC	1772	335368-335500 8WELLS% -8WEBRE% 1; 335190-335206 6NELSON% -1NELSON_G6! 1	CLEC	CLEC	107	-0.92	0	0	107	0.92
6ST_GABRIEL%335569 EES-LA 6AAC_CORP 335573 EES-LA	1775	335568-335582 6WILLOW_GL% -6BOXWOOD% 1; 336250-336242 69MILE% -1NMIL6 ST1 1; 336280-336240 39MILE% -1NMIL6 CT1 1; 336280-336241 39MILE% -1NMIL6 CT2 1	EES-LA	EES-LA	2	-0.09	0	0	2	0.09
6ST_GABRIEL%335569 EES-LA 6AAC_CORP 335573 EES-LA	1776	335568-335582 6WILLOW_GL% -6BOXWOOD% 1; 336250-336252 69MILE% -1NMIL U5! 1	EES-LA	EES-LA	9	-2.61	0	0	9	2.61
6ADMSCRK% 336131 EES-LA 6BOGALUS! 336136 EES-LA	1777	336131-336136 6ADMSCRK% -6BOGALUS! 1; 336250-336242 69MILE% -1NMIL6 ST1 1; 336280-336240 39MILE% -1NMIL6 CT1 1; 336280-336241 39MILE% -1NMIL6 CT2 1	EES-LA	EES-LA	5	-1.02	0	0	5	1.02
6ADMSCRK% 336131 EES-LA 6BOGALUS! 336136 EES-LA	1778	336131-336136 6ADMSCRK% -6BOGALUS! 1; 336250-336252 69MILE% -1NMIL U5! 1	EES-LA	EES-LA	28	-14	0	0	28	14
HOLLY 4 509110 SPP-C CHIRENO4 509125 SPP-C	1781	334028-509241 7GRIMES% -CROCKET7 1; 334433-334430 1G3SABIN! -4SABINE% 1	SPP-C	SPP-C	1	-0.29	0	0	1	0.29
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1789	334325-335188 8HARTBRG% -8RHODES% 1; 335190-335206 6NELSON% -1NELSON_G6! 1	EES-LA	EES-LA	5	-0.25	0	0	5	0.25
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1790	334325-335188 8HARTBRG% -8RHODES% 1; 700004-335190 6NEWNEL -6NELSON% 1; 700005-335200 4NEWNEL -4NELSON% 1	EES-LA	EES-LA	33	-2.55	0	0	33	2.55
HG_CONVRTR_N107326 ISO-NE HG_CONVRTR_S107324 ISO-NE	DC	DC	ISO-NE	ISO-NE	0	0	2160	-0.77	2160	0.77
RAD315 A181020 TE SNDYPD HVDC1114071 ISO-NE	DC	DC	TE	ISO-NE	567	-0.05	0	0	567	0.05
RAD315 A181020 TE SNDYPD HVDC2114072 ISO-NE	DC	DC	TE	ISO-NE	2742	-1.05	0	0	2742	1.05
28NEPTUNE 206400 JCPL NEPTCONV 128842 NY	DC	DC	JCPL	NY	1584	-0.63	6561	10.48	8145	11.11
CNV_BRG 219810 PSEG CNV_BRG2 217177 PSEG	DC	DC	PSEG	PSEG	16	-0.01	8744	1.65	8760	1.66
SQBP1DC4 608597 MP ARDP1DC4 608596 MP	DC	DC	MP	MP	2859	-2.84	3488	17.12	6347	19.96
SQBP2DC4 608599 MP ARDP2DC4 608598 MP	DC	DC	MP	MP	2860	-2.6	4339	16.73	7199	19.33
GRE-COAL CR4615600 GRE GRE-DICKNSN3615353 GRE	DC	DC	GRE	GRE	2918	-1.76	390	0.18	3308	1.94
GRE-COAL CR4615600 GRE GRE-DICKNSN3615353 GRE	DC	DC	GRE	GRE	685	-0.22	0	0	685	0.22
CONAWAP4 667000 MHEB RIEL 4 667041 MHEB	DC	DC	MHEB	MHEB	1607	-1.61	805	0.01	2412	1.62
CONAWAP4 667000 MHEB RIEL 4 667041 MHEB	DC	DC	MHEB	MHEB	917	-0.92	782	-0.48	1699	1.4
HENDAY 4 667001 MHEB DORSEY 4 667035 MHEB	DC	DC	MHEB	MHEB	1564	-1.64	798	0.02	2362	1.66
HENDAY 4 667001 MHEB DORSEY 4 667035 MHEB	DC	DC	MHEB	MHEB	906	-0.99	1370	-0.78	2276	1.77
RADSND6 667231 MHEB DC5 JCT4 667036 MHEB	DC	DC	MHEB	MHEB	836	-0.92	0	0	836	0.92
RADSND6 667231 MHEB DC6 JCT4 667037 MHEB	DC	DC	MHEB	MHEB	825	-0.91	7	0	832	0.91

**PROMOD Projected Congestion Data
2026 EF**

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
HG_CONVRTR_N107326 ISO-NE HG_CONVRTR_S107324 ISO-NE	1	No Outage	ISO-NE	ISO-NE	4932	-4.4	3828	3.07	8760	7.47
CONAWAP4 667000 MHEB RIEL 4 667041 MHEB	1	No Outage	MHEB	MHEB	6275	-6.28	2485	2.48	8760	8.76
INTERFACE PJM Eastern Interfac 7	1	No Outage			13	-0.09	0	0	13	0.09
INTERFACE PJM-CENTRAL INTERFAC 8	1	No Outage			390	-2.97	677	12.6	1067	15.57
INTERFACE PJM- WESTERN INTERFA 9	1	No Outage			1	0	0	0	1	0
INTERFACE McGulpin - Straits 17	1	No Outage			386	-4.13	466	3.02	852	7.15
INTERFACE SPPSPSTIES 18	1	No Outage			219	-44.64	0	0	219	44.64
INTERFACE GRIS_LNC 20	1	No Outage			88	-1.3	0	0	88	1.3
INTERFACE COOPER_S 21	1	No Outage			10	-0.15	0	0	10	0.15
INTERFACE SPS North - South 24	1	No Outage			849	-69.24	0	0	849	69.24
INTERFACE MH_ONT_W 27	1	No Outage			940	-1.71	4321	46.01	5261	47.72
INTERFACE DYSINGER 7001 28	1	No Outage			43	-0.64	0	0	43	0.64
INTERFACE NY WEST CENTRAL 29	1	No Outage			19	-0.01	12	0.05	31	0.06
INTERFACE ADIRONDACK - CENTRAL 30	1	No Outage			0	0	3035	1.86	3035	1.86
INTERFACE EDISON LONGISLAND 33	1	No Outage			1477	-0.1	753	0.14	2230	0.24
INTERFACE DUNWOODIE - SOUTH TI 34	1	No Outage			724	-1.51	0	0	724	1.51
INTERFACE IESO-MP 39	1	No Outage			4553	-46.37	85	0.28	4638	46.65
INTERFACE HYDROONE_ONT-ITC 41	1	No Outage			9	-0.03	0	0	9	0.03
INTERFACE ONT-NYIS 42	1	No Outage			580	-0.52	3902	16.6	4482	17.12
COALCREEK NOMO 1	1	No Outage			880	-1.13	2877	4.36	3757	5.49
MISO-ONT Nomogram 2	1	No Outage			4726	-50.72	2444	4.64	7170	55.36
North South Constraint 3	1	No Outage			134	-0.4	79	0.18	213	0.58
OAHE 4 652519 WAUE SULLYBT4 652521 WAUE	1	No Outage	WAUE	WAUE	2	-0.06	0	0	2	0.06
POWERTON ; R270855 COMED 7TAZEWELL 349662 AMIL	1	No Outage	COMED	AMIL	3	-0.17	0	0	3	0.17
05DANVL2 242620 AEP 05EDAN 1 242631 AEP	1	No Outage	AEP	AEP	92	-8.68	0	0	92	8.68
CDRGV 216915 PSEG ROSELAND 216950 PSEG	1	No Outage	PSEG	PSEG	1851	-0.15	6	0	1857	0.15
E FRANKFO; B270728 COMED GOODINGS ;3B270766 COMED	1	No Outage	COMED	COMED	9	-2.24	0	0	9	2.24
E FRANKFO; R270729 COMED GOODINGS ;1R270767 COMED	1	No Outage	COMED	COMED	22	-0.23	0	0	22	0.23
26ERIE E 200654 PENELEC 26FOURMILE 200928 PENELEC	1	No Outage	PENELEC	PENELEC	3292	-150.61	0	0	3292	150.61
ESSEX_PAR 217124 PSEG ESSEX_PLEADS219078 PSEG	1	No Outage	PSEG	PSEG	1802	-0.06	3119	0.24	4921	0.3
ATHENIA_3 216901 PSEG ERUTHF_1 217304 PSEG	1	No Outage	PSEG	PSEG	8	0	0	0	8	0
FTSLO PS 224121 PEPCO FTSLO 69 224122 PEPCO	1	No Outage	PEPCO	PEPCO	4020	-0.47	2287	0.2	6307	0.67
QUAD 1 3-11 270864 COMED ROCK CK3 631141 ALTW	1	No Outage	COMED	ALTW	17	-8.69	0	0	17	8.69
SPRINGRD_2 216911 PSEG ALDENE_6 218345 PSEG	1	No Outage	PSEG	PSEG	0	0	4	0	4	0
26TIFFANY 200679 PENELEC 26LAUREL L 200680 PENELEC	1	No Outage	PENELEC	PENELEC	0	0	3	0.11	3	0.11
WALDWICK 217062 PSEG WALDWICK 217063 PSEG	1	No Outage	PSEG	PSEG	0	0	4291	8.13	4291	8.13
28WHIPPANY 206257 JCPL ROSELAND 216950 PSEG	1	No Outage	JCPL	PSEG	0	0	52	0.2	52	0.2
WSPTSEC2 221331 BGE WP PH.S2 221373 BGE	1	No Outage	BGE	BGE	108	0	2384	0.12	2492	0.12
ARROWHD4 608615 MP AWHD PST 699448 WPS	1	No Outage	MP	WPS	266	-0.57	0	0	266	0.57

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NORTHWEST; R272129 COMED NORTHWEST;8S272135 COMED	1	No Outage	COMED	COMED	0	0	9	0.07	9	0.07
STATELINE;3B272504 COMED STATELINE;2S272506 COMED RIDGELAND; B272352 COMED RIDGELAND;BS272354 COMED	1	No Outage	COMED	COMED	537	-3.94	0	0	537	3.94
RAM PAR 126296 NY RAMAPO 126297 NY	1	No Outage	COMED	COMED	566	-0.39	0	0	566	0.39
RAM PAR 126296 NY RAMAPO 126297 NY	1	No Outage	NY	NY	54	0	6696	4.62	6750	4.62
LARSON 4659372 BEPC TIOGA4 4 661084 BEPC	1	No Outage	NY	NY	48	0	6750	4.62	6798	4.62
LARSON 4659372 BEPC BDV 4 672603 SPC	1	No Outage	BEPC	BEPC	0	0	2553	1.61	2553	1.61
6SRS2 371308 NC-SC 6VOGTLE 380115 SE	1	No Outage	BEPC	SPC	70	-0.02	2308	1.79	2378	1.81
GENTLMN3 640183 NPPD REDWILO3 640325 NPPD	1	No Outage	NC-SC	SE	0	0	23	1.11	23	1.11
YBUS2615 97383 MDU COYOTE 7 661018 OTP	1	No Outage	NPPD	NPPD	149	-36.54	0	0	149	36.54
HIBBARD7 608676 MP WNTR ST7 608680 MP	1	No Outage	MDU	OTP	137	-0.96	0	0	137	0.96
TOWNLINE 699141 ALTE BASSCRK 699897 ALTE	1	No Outage	MP	MP	224	-0.02	0	0	224	0.02
CNASTONE 200004 BGE PCHBTM1S 200064 PECO	1	No Outage	ALTE	ALTE	7	-6.86	0	0	7	6.86
18ALBAJ 256031 CONS STOVER 256275 CONS	1	No Outage	BGE	PECO	0	0	3733	84.55	3733	84.55
CLYBOURN ; B271218 COMED DIVERSEY ; B271326 COMED CLYBOURN ; B271218 COMED WEST LOOP; G272762 COMED	1	No Outage	CONS	CONS	0	0	415	15.42	415	15.42
GRENSHAW ; R271579 COMED WASHINGTO; R272727 COMED	1	No Outage	COMED	COMED	571	-0.13	0	0	571	0.13
4KEWANEE STP348924 AMIL 4KEWANEE S 348974 AMIL	1	No Outage	COMED	COMED	0	0	39	2.82	39	2.82
WEBER RD ; B272742 COMED WILL CNTY;BT272784 COMED ST LAKE5 602017 NSP MINONG 5 608631 MP	1	No Outage	COMED	COMED	0	0	219	1.69	219	1.69
07RATTAP 248428 HE 16PETE 254638 IPL	1	No Outage	AMIL	AMIL	0	0	15	1.41	15	1.41
5MATANZAS 324173 LKE 5BRTPA 340624 BREC	1	No Outage	COMED	COMED	0	0	47	16.96	47	16.96
08CONERV 249714 DUK-IN 08LEWSVL 249783 DUK-IN	1	No Outage	NSP	MP	308	-0.05	0	0	308	0.05
ROLLETTE 230620378 OTP RUGBY 4 620379 OTP	1	No Outage	HE	IPL	0	0	31	0.38	31	0.38
5LEBJCTT 324150 LKE 5PADDYSR 324154 LKE	1	No Outage	LKE	BREC	2	-0.06	0	0	2	0.06
5MARYVL 300097 AECIZ 5NODWAY 300104 AECIZ	1	No Outage	DUK-IN	DUK-IN	0	0	33	2.15	33	2.15
4FFRT E 324250 LKE 4TYRONE 324315 LKE	15	No Outage	OTP	OTP	0	0	62	0.06	62	0.06
5PINEVSW 324156 LKE 5PINEVILL KY360452 TVAZ	29	No Outage	LKE	LKE	0	0	5	2.01	5	2.01
POWERTON ; R270855 COMED 7TAZEWELL 349662 AMIL	40	270769-270855 GOODINGS ;2R-POWERTON ; R1	AECIZ	AECIZ	0	0	7	1.73	7	1.73
SUNNYVAL 699666 WPS SHRMN ST 699704 WPS	44	694002-694068 ARPIN B3 -ROCKY RN B8 1	LKE	LKE	3	-0.03	0	0	3	0.03
05BENTON 243212 AEP 05BENTON 243250 AEP	48	243215-243215 ST JOEREA 5 -ST JOE 5 Z	LKE	TVAZ	2	-0.74	24	1.08	26	1.82
05BENTON 243212 AEP 05SEGRETO 247803 AEP	52	324105-324116 7GHENT -7W LEXNG 1; 324102-324116 7BROWN N -7W LEXNG 1	COMED	AMIL	1	-0.02	0	0	1	0.02
4DIAMSTR TP1348745 AMIL 4MCLEAN CO 348854 AMIL	59	270717-270853 DRESDEN ; R-PONTIAC ; R1	WPS	WPS	0	0	5	6.16	5	6.16
LORETTO ; B270704 COMED PONTIAC ; B270852 COMED	59	270717-270853 DRESDEN ; R-PONTIAC ; R1	AEP	AEP	4	-0.02	0	0	4	0.02
05DANVL2 242620 AEP 05EDAN 1 242631 AEP	104	243215-247803 05COOK -05SEGRETO 2	AEP	AEP	1	0	0	0	1	0
05DANVL2 242620 AEP 05EDAN 1 242631 AEP	115	243215-247803 05COOK -05SEGRETO 2	AMIL	AMIL	0	0	1	0	1	0
05TANNER 243233 AEP 08M.FORT 249567 DUK-OH	134	249565-249575 08EBEND -08TERMNL 1	COMED	COMED	0	0	1	0.01	1	0.01
			AEP	AEP	2	-0.01	0	0	2	0.01
			AEP	AEP	189	-10.49	0	0	189	10.49
			AEP	DUK-OH	1716	-46.46	0	0	1716	46.46

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
3RIVERTON 337338 EES-LA 3RILLA! 337386 EES-LA	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-LA	EES-LA	0	0	2	0.01	2	0.01
3PARNELL RD 337545 EES-ARK 3NEWELL 337546 EES-ARK	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-ARK	EES-ARK	9	-15.32	0	0	9	15.32
3WYATT! 337544 EES-ARK 3PARNELL RD 337545 EES-ARK	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-ARK	EES-ARK	901	-195.2	0	0	901	195.2
DOLHILL7 500250 CLEC DOLHILL6 500260 CLEC	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	CLEC	CLEC	100	-1.53	0	0	100	1.53
3DOWNSVILLE 337374 EES-LA 3STERL2% 337414 EES-LA	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-LA	EES-LA	0	0	33	23.75	33	23.75
3STANDARD! 337340 EES-LA 3WINNFELD! 337343 EES-LA	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-LA	EES-LA	3	-0.02	0	0	3	0.02
3ROCKYMT115T304223 NC-SC 3BTLEBRO 314554 DOM	163	304183-314935 8WAKE 500 TT-8HERITAGE 1	NC-SC	DOM	0	0	1278	142.5	1278	142.5
6GREENVILLE T304451 NC-SC 6EVERETS 314574 DOM	163	304183-314935 8WAKE 500 TT-8HERITAGE 1	NC-SC	DOM	0	0	5	0.26	5	0.26
6PERSON230 T304070 NC-SC 6HALIFAX 314697 DOM	163	304183-314935 8WAKE 500 TT-8HERITAGE 1	NC-SC	DOM	0	0	166	5.52	166	5.52
01KRENDL 235205 APS 02SENECA 239099 FE-ATSI	197	235104-239280 01CABOT -02CRNBRY 1	APS	FE-ATSI	34	-1.16	0	0	34	1.16
01MITCHL 235124 APS 15WILSON 254018 DUQ	198	01WYLLIE R -02CRNBRY 1	APS	DUQ	7	-0.21	0	0	7	0.21
PLYMTG 3 213908 PECO WHITPAN3 214037 PECO	206	213525-214213 CROMBY 5 -LOCK 1	PECO	PECO	0	0	4	3.71	4	3.71
DRESDEN ; R270717 COMED DRESDEN ; 3M275180 COMED	215	270717-270737 DRESDEN ; R-ELWOOD ; R1	COMED	COMED	23	-7.03	0	0	23	7.03
IPAPER 4 500430 CLEC WALLAKE4 507765 SPP-C	270	500250-507760 DOLHILL7 -SW SHV 7 1	CLEC	SPP-C	1	-0.68	0	0	1	0.68
26ERIE E 200654 PENELEC 26FOURMILE 200928 PENELEC	307	135398-200942 SW345 -26PIERCEBRK 1	PENELEC	PENELEC	474	-14.84	0	0	474	14.84
4MTVERNW 3 348828 AMIL 4WEST SALEM 348836 AMIL	335	348493-348827 7XENIA -7W MT VERNON1	AMIL	AMIL	0	0	3	0.18	3	0.18
06CLIFTY 248000 AEP 7TRIMBLE 324114 LKE	338	243208-243209 05JEFRSO -05ROCKPT 1	AEP	LKE	0	0	61	7.33	61	7.33
8VOLUNTEER 360097 TVAZ 8PHIPPS B NP360102 TVAZ	338	243208-243209 05JEFRSO -05ROCKPT 1	TVAZ	TVAZ	3	-1.58	0	0	3	1.58
7DAVIESS 324104 LKE 7COLEMAN 340563 BREC	338	243208-243209 05JEFRSO -05ROCKPT 1	LKE	BREC	0	0	4	0.09	4	0.09
5HNBL 1 344697 AMMO 5PALMYRA 345437 AMMO	346	345230-345992 7MONTGMRY -7SPENCER 1	AMMO	AMMO	0	0	14	1.46	14	1.46
5CYRENE 300595 AECIZ SPIKE S 345498 AMMO	346	345230-345992 7MONTGMRY -7SPENCER 1	AECIZ	AMMO	0	0	3	2.6	3	2.6
5THMHIL 300120 AECIZ 5ADAIR1 344004 AMMO	346	345230-345992 7MONTGMRY -7SPENCER 1	AECIZ	AMMO	32	-1.15	0	0	32	1.15
7NEOGA 347821 AMIL 7HOLLAND 348491 AMIL	347	346895-347945 7COFFEEEN -7PANA 1	AMIL	AMIL	0	0	143	1.17	143	1.17
4MIDWAY E 348730 AMIL 4SCHRAMCY TP348788 AMIL	347	346895-347945 7COFFEEEN -7PANA 1	AMIL	AMIL	4	-0.21	0	0	4	0.21
5FREDTN 300079 AECIZ 5FREDTOWN 344586 AMMO	348	344974-345773 7LUTESVIL -7ST FRANC 1	AECIZ	AMMO	0	0	5	0.33	5	0.33
7COFFEEEN 346895 AMIL 7PANA 347945 AMIL	349	347821-348491 7NEOGA -7HOLLAND 1	AMIL	AMIL	6	-0.01	0	0	6	0.01
5MORILTON.E!337921 EES-ARK 5GLEASON 337927 EES-ARK	352	337922-337937 8P.HILL% -8MAYFLOWER% 1	EES-ARK	EES-ARK	154	-17.95	0	0	154	17.95
7NEOGA 347821 AMIL 7HOLLAND 348491 AMIL	353	346809-347830 7CASEY -7NEWTON 1	AMIL	AMIL	0	0	3	0.43	3	0.43
05FALL C 243292 AEP 08NEWCAS 249810 DUK-IN	359	243222-243292 05FALL C -05FALL C 2	AEP	DUK-IN	492	-34.77	0	0	492	34.77
5GUTHRIE 344677 AMMO 5MONTGMRY 345231 AMMO	362	345088-345230 7MCCREDIE -7MONTGMRY 1; 345088-345408 7MCCREDIE -7OVERTON 1	AMMO	AMMO	0	0	2	1.35	2	1.35
5MONTCT 300099 AECIZ 5WLMSBG 300523 AECIZ	362	345088-345230 7MCCREDIE -7MONTGMRY 1; 345088-345408 7MCCREDIE -7OVERTON 1	AECIZ	AECIZ	0	0	110	2.39	110	2.39
BYRON 5 613070 SMP GRE-PL VLLY5615307 GRE	376	613060-615306 BYRON 3 -GRE-PL VLLY31	SMP	GRE	0	0	7	0.24	7	0.24
POWESHKS 631113 ALTW REASNOR5 631117 ALTW	387	635680-635730 BONDRNT3 -MNTZUMA3 1	ALTW	ALTW	0	0	18	0.52	18	0.52
LAKEFLD L1 5631041 ALTW DKS_N_CO5 631124 ALTW	388	631138-635368 LAKEFLD3 -OBRIEN 3 1	ALTW	ALTW	0	0	2	0.06	2	0.06

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
GARDEN PL; 271543 COMED ESS H71 ;BT272512 COMED	389	270864-631141 QUAD 1 3-11 -ROCK CK3 1	COMED	COMED	0	0	4	7.42	4	7.42
WABACO 5 681532 DPC ROCHSTR5 681537 DPC	393	601014-601028 AS KING3 -EAU CL 3 1	DPC	DPC	0	0	16	0.17	16	0.17
PT BCH3 699211 WEC KEWAUNEE 699630 WPS	397	694022-699359 FOXRIVER B1 -N APPLETON 1	WEC	WPS	16	-0.15	0	0	16	0.15
QUAD 1 3-11 270864 COMED ROCK CK3 631141 ALTW	414	270866-636610 QUAD 6-7 -SUB 91 3 1	COMED	ALTW	36	-1.52	0	0	36	1.52
NFL 138 699175 ALTE AVIATION 699677 WPS	415	694072-699669 SFL 345 B4 -FTZGERLD 1; 699359-699669 N	ALTE	WPS	37	-2.96	0	0	37	2.96
BLUMND6 698865 WEC BUTLER 699268 WEC	422	699253-699329 ARCADN1 -GRANVL1 1	WEC	WEC	0	0	3	4.87	3	4.87
ACEC BADGERW698840 ALTE PETENWEL 699808 WPS	430	601028-694003 EAU CL 3 -ARPIN B4 1	ALTE	WPS	0	0	111	5.58	111	5.58
7RUSH 1 345667 AMMO 7RUSH 2 345668 AMMO	439	346992-360002 7E W FKFT -7SHAWNEE FP 1	AMMO	AMMO	2	-0.01	0	0	2	0.01
5RENSHAW 350218 SIPC 5MARIONCT 350225 SIPC	439	346992-360002 7E W FKFT -7SHAWNEE FP 1	SIPC	SIPC	0	0	22	0.77	22	0.77
07RATTAP 248428 HE 16PETE 254638 IPL	453	248773-248792 07MEROM5 -07WORTHN 1	HE	IPL	0	0	61	3.97	61	3.97
3ELLIOTT+ 337062 EES-MS 3S.GRENADA! 337063 EES-MS	457	337009-337010 8MCADAMS% -8WOLFCREEK% 1	EES-MS	EES-MS	0	0	22	2.66	22	2.66
08FAIRVW 249723 DUK-IN 4GHENT 324253 LKE	460	249501-324105 08BATESV -7GHENT 1	DUK-IN	LKE	0	0	5	4.54	5	4.54
BONDRNT3 635680 MEC MNTZUMA3 635730 MEC	510	631142-631148 ARNOLD 3 -MORGANV3 1	MEC	MEC	5	-0.06	0	0	5	0.06
NIW 5 631036 ALTW COLBY5 631202 ALTW	513	631139-631144 HAZLTON3 -MITCHLCO3 1	ALTW	ALTW	7	-0.19	0	0	7	0.19
17DUNE_ACRE 255126 NIPS 17MICH_CITY 255153 NIPS	538	255126-255153 17DUNE_ACRE -17MICH_CITY 1	NIPS	NIPS	0	0	1	0.19	1	0.19
19STCPP 264656 DECO 19STCPP 264830 DECO	550	160050-264656 LAMBTON_L4D -19STCPP 1	DECO	DECO	15	0	503	0	518	0
19BUNCE1 264536 DECO 19FITZ 265228 DECO	550	160050-264656 LAMBTON_L4D -19STCPP 1	DECO	DECO	1	0	383	0	384	0
GRANVL 4 699331 WEC TOSA-W 699942 WEC	553	699268-699327 BUTLER -GRANVL 5 1	WEC	WEC	3	-1.94	0	0	3	1.94
CEDRSAUK B4 694007 WEC EDG BUS2 694009 ALTE	557	698870-699865 GRANVL2 -SEC 1	WEC	ALTE	0	0	5	0.54	5	0.54
ELKHT L 699299 WEC FOREST J 699533 WEC	557	698870-699865 GRANVL2 -SEC 1	WEC	WEC	0	0	5	1.81	5	1.81
AVOCA 5 504000 SPP-C EROGERS5 506931 SPP-C	561	506935-549984 FLINTCR7 -BROOKLINE 71	SPP-C	SPP-C	0	0	66	3.89	66	3.89
BEAVER 5 505480 SPP-C EUREKA 5 506932 SPP-C	561	506935-549984 FLINTCR7 -BROOKLINE 71	SPP-C	SPP-C	19	-0.65	0	0	19	0.65
CARTHAG5 505488 SPP-C LAR382 5 547479 EDE	561	506935-549984 FLINTCR7 -BROOKLINE 71	SPP-C	EDE	8	-0.11	0	0	8	0.11
SPRGFLD5 505492 SPP-C LAR382 5 547479 EDE	561	506935-549984 FLINTCR7 -BROOKLINE 71	SPP-C	EDE	0	0	2	0.09	2	0.09
3COUCH% 337502 EES-ARK 3LEWISVILLE#338874 EES-ARK	581	337376-508809 7SAREPTA% -LONGWD 7 1	EES-ARK	EES-ARK	12	-13.44	0	0	12	13.44
3PATMOS.W# 338875 EES-ARK FULTON 3 503912 SPP-C	581	337376-508809 7SAREPTA% -LONGWD 7 1	EES-ARK	SPP-C	0	0	3	0.02	3	0.02
3AMITY+ 337674 EES-ARK 3MURFBORO.E#338849 EES-ARK	581	337376-508809 7SAREPTA% -LONGWD 7 1	EES-ARK	EES-ARK	51	-91.14	0	0	51	91.14
TAHLQH 5 512655 SPP-C HWY59 5 515347 SPP-C	590	515224-515302 MUSKOG7 -FTSMITH7 1	SPP-C	SPP-C	21	-1.17	0	0	21	1.17
LONEOAK4 510897 SPP-C ENOWILT4 510944 SPP-C	592	510907-510911 PITTSB-7 -VALIANT7 1	SPP-C	SPP-C	106	-35.75	0	0	106	35.75
TUPELO 4 505600 SPP-C TUPLOT4 521071 SPP-C	592	510907-510911 PITTSB-7 -VALIANT7 1	SPP-C	SPP-C	0	0	545	65.25	545	65.25
MIDWEST4 514946 SPP-C FRNKLSN4 520917 SPP-C	596	521026-521084 PHAROAH4 -WETUMKA4 1	SPP-C	SPP-C	44	-37.05	0	0	44	37.05
RAUN 5 635201 MEC TEKAMAH5 640377 NPPD	599	635200-645451 RAUN 3 -S3451 3 1	MEC	NPPD	3	-0.04	0	0	3	0.04
MIDLTNT4 514804 SPP-C PECKHMT4 515381 SPP-C	608	515543-532798 RENFROW7 -VIOLA 7 1	SPP-C	SPP-C	0	0	2	0.05	2	0.05
FIXCT4 510877 SPP-C WELET4 510902 SPP-C	610	510907-515422 PITTSB-7 -C-RIVER7 1	SPP-C	SPP-C	0	0	7	15.56	7	15.56
S3456 3 645456 OPPD S3458 3 645458 OPPD	625	645455-645740 S3455 3 -S3740 3 1	OPPD	OPPD	0	0	95	4.71	95	4.71
3ALTO_LA 337331 EES-LA 3SWARTZ! 337390 EES-LA	632	336830-337427 8BXTRWILSON%-8PERRYVILLE%1	EES-LA	EES-LA	0	0	7	0.39	7	0.39
3CARSON 337450 EES-LA 3DELHI_RX 337453 EES-LA	632	336830-337427 8BXTRWILSON%-8PERRYVILLE%1	EES-LA	EES-LA	224	-58.33	0	0	224	58.33
6RUSSEL 339100 SE 6LEXINGTON 380104 SE	636	380003-380011 8NORCROSS -8S HALL 1; 381341-383000	SE	SE	15	-0.29	0	0	15	0.29
6RSR2 371308 NC-SC 6VOGTLE 380115 SE	640	380003-380011 8NORCROSS -8S HALL 1	NC-SC	SE	0	0	4	0.81	4	0.81
3PISGAH 304750 NC-SC PISGAH 306190 NC-SC	646	304750-306190 3PISGAH -PISGAH 1	NC-SC	NC-SC	0	0	10	20.08	10	20.08
6NEWPORT 306333 NC-SC 6VCS1_2 371112 NC-SC	648	312716-312727 6NEWBER -6GWD CO 1	NC-SC	NC-SC	0	0	1419	109.69	1419	109.69

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HIGH RCK 339003 NC-SC TUCKERTN 339005 NC-SC	649	306850-306848 8PL GRDN -6PL GRDN 5	NC-SC	NC-SC	0	0	121	35.45	121	35.45
6SUMTER230 T304700 NC-SC 6WATEREE1 370101 NC-SC	663	304677-312714 6KINGSTR230T-6KNGSTRE 1	NC-SC	NC-SC	0	0	1	0.02	1	0.02
5KNOX TN 360458 TVAZ 5DOUGLAS HP 360465 TVAZ	668	360097-360102 8VOLUNTEER -8PHIPPS B NP1	TVAZ	TVAZ	2	-4.81	0	0	2	4.81
5BRTAP 340624 BREC 5PARADISE FP360043 TVAZ	668	360097-360102 8VOLUNTEER -8PHIPPS B NP1	BREC	TVAZ	0	0	157	3.03	157	3.03
8OCONEE 306008 NC-SC 8S HALL 380011 SE	670	380021-382499 8MOSTELLER -8CONASAUGA 1	NC-SC	SE	64	-0.34	0	0	64	0.34
5ROBBINS 308485 NC-SC 5SANTEETLAH 375031 TVAZ	670	380021-382499 8MOSTELLER -8CONASAUGA 1	NC-SC	TVAZ	0	0	1	0.06	1	0.06
5ALBERTVILLE360283 TVAZ 5ATTALLA5 384332 SE	670	380021-382499 8MOSTELLER -8CONASAUGA 1	TVAZ	SE	4	-0.49	0	0	4	0.49
8VOLUNTEER 360097 TVAZ 8PHIPPS B NP360102 TVAZ	670	380021-382499 8MOSTELLER -8CONASAUGA 1	TVAZ	TVAZ	4	-1.33	0	0	4	1.33
17GOODLAND 255129 NIPS 17GOODLAND 255319 NIPS	681	255129-255173 17GOODLAND -17REYNOLDS 1; 255129-254523-254601 16GUION -16GUION S; 254523-254532	NIPS	NIPS	820	-21.86	0	0	820	21.86
16GUION 254523 IPL 16GUION 254601 IPL	697	16GUION -16ROCKVL 0	IPL	IPL	77	-2.28	0	0	77	2.28
TRIBOJI J1 8630023 ALTW WAHPETN8 630474 ALTW	713	631183-656570 CAYLER5 -WISDOM5 1	ALTW	ALTW	47	-8.14	0	0	47	8.14
LAKEFLD L1 5631041 ALTW DKS_N_CO5 631124 ALTW	713	631183-656570 CAYLER5 -WISDOM5 1	ALTW	ALTW	0	0	26	0.71	26	0.71
BRAIDWOOD; B270670 COMED E FRANKFO; B270728 COMED	721	270670-270671 BRAIDWOOD; B-BRAIDWOOD; RZ; 270670-270710 BRAIDWOOD; B-DAVIS CRK; B1; 270710-275174 DAVIS CRK; B-DAVIS CRK;3M1	COMED	COMED	6	-0.17	0	0	6	0.17
4LTV STL NTP348919 AMIL 4PRINCETN TP348921 AMIL	727	271838-348923 KEWANEE ;13-4KEWANEE N Z	AMIL	AMIL	0	0	1288	97.84	1288	97.84
4KEWANEE STP348924 AMIL 4KEWANEE S 348974 AMIL	727	271838-348923 KEWANEE ;13-4KEWANEE N Z	AMIL	AMIL	0	0	29	0.98	29	0.98
LORETTO ; B270704 COMED WILTON ; B270926 COMED	728	270717-270853 DRESDEN ; R-PONTIAC ; R1; 275210-272261 PONTIAC ;2M-PONTIAC ; R1; 275310-275210 PONTIAC ;2C-PONTIAC ;2M1	COMED	COMED	77	-2.92	0	0	77	2.92
MAZON ; R271987 COMED OGLESBY ; T272189 COMED	729	271844-271908 KICKAPOO ; B-LASCO STA; B1	COMED	COMED	0	0	168	23.29	168	23.29
BONDRNT3 635680 MEC MNTZUMA3 635730 MEC	730	631139-636199 HAZLTON3 -BLACKHAWK 3 1	MEC	MEC	1	0	0	0	1	0
WABACO 5 681532 DPC ROCHSTR5 681537 DPC	731	601039-601044 NROC 3 -BRIGGS RD 3 1	DPC	DPC	0	0	971	75.45	971	75.45
5MATANZAS 324173 LKE 5WLSNBR 340553 BREC	734	324144-340553 SGR RVR -5WLSNBR 1	LKE	BREC	0	0	870	57.67	870	57.67
LIBERTY5 631100 ALTW DUNDEE 5 631101 ALTW	735	631139-631191 HAZLTON3 -HCKRYCK3 1	ALTW	ALTW	0	0	1	0.02	1	0.02
CHERRY VA; B270694 COMED CHERRY VA;2M275166 COMED	738	270918-275231 WEMPLETOW; B-WEMPLETOW;4M1	COMED	COMED	3	-3.53	0	0	3	3.53
TOLLWAY ; B 270900 COMED TOLLWAY ;3M275225 COMED	739	272486-272740 S ELGIN ;BT-WAYNE ; B1	COMED	COMED	180	-2.44	0	0	180	2.44
TOLLWAY ; B 270900 COMED TOLLWAY ;3M275225 COMED	740	272487-272741 S ELGIN ;RT-WAYNE ; R1	COMED	COMED	65	-0.5	0	0	65	0.5
17AETNA 255115 NIPS 17LK_GEORGE 255149 NIPS	743	255149-255155 17LK_GEORGE -17MILLER 1	NIPS	NIPS	0	0	34	1.47	34	1.47
5RUSSELVL.S 337904 EES-ARK DARDANE5 505508 SPP-C	745	337909-515305 8ANO% -FTSMITH8 1	EES-ARK	SPP-C	5	-0.63	0	0	5	0.63
5RUSSELVL.EI337905 EES-ARK 5RUSSELVL.N 337906 EES-ARK	745	337909-515305 8ANO% -FTSMITH8 1	EES-ARK	EES-ARK	0	0	10	1.23	10	1.23
3CHEETAH% 337705 EES-ARK 3HS VILLAGE 337707 EES-ARK	745	337909-515305 8ANO% -FTSMITH8 1	EES-ARK	EES-ARK	7	-5.94	0	0	7	5.94
3AMITY+ 337674 EES-ARK 3MURFBORO.E#338849 EES-ARK	745	337909-515305 8ANO% -FTSMITH8 1	EES-ARK	EES-ARK	3	-4.02	0	0	3	4.02
DARDANE5 505508 SPP-C CLARKSV5 505514 SPP-C	745	337909-515305 8ANO% -FTSMITH8 1	SPP-C	SPP-C	39	-50.25	0	0	39	50.25
4CHAMPAGNE! 335455 EES-LA PLAISAN4 500720 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	EES-LA	CLEC	0	0	110	4.41	110	4.41
COUGH 4 500230 CLEC MANUEL 4 500540 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	CLEC	CLEC	100	-3.08	0	0	100	3.08

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
COUGH 4 500230 CLEC PLAISAN4 500720 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	CLEC	CLEC	18	-0.92	0	0	18	0.92
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	747	500190-500880 COCODR 6 -VILPLT 6 1	EES-LA	EES-LA	43	-0.08	0	0	43	0.08
4RICHARD% 335366 LAGN EUNICE 4 500300 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	LAGN	CLEC	0	0	138	2.07	138	2.07
6BOGALUS! 336136 EES-LA BARKERS 6 500025 CLEC	749	335836-336562 8MCKNIGHT% -8FRANKLIN% 1	EES-LA	CLEC	20	-0.79	0	0	20	0.79
8BOGALUS 336130 EES-LA 6ADMSCRK% 336131 EES-LA	749	335836-336562 8MCKNIGHT% -8FRANKLIN% 1	EES-LA	EES-LA	187	-4.01	0	0	187	4.01
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	749	335836-336562 8MCKNIGHT% -8FRANKLIN% 1	EES-LA	EES-LA	0	0	72	0.78	72	0.78
BVISTA 4 500060 CLEC ELPTAP 4 500290 CLEC	750	335368-335500 8WELLS% -8WEBRE% 1	CLEC	CLEC	15	-0.36	0	0	15	0.36
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	750	335368-335500 8WELLS% -8WEBRE% 1	EES-LA	EES-LA	0	0	173	2.66	173	2.66
3TRUSSEL_CR 303310 LAGN 3REESE 337380 EES-LA	751	337561-337562 8EL DORADO% -7EL DORADO 1	LAGN	EES-LA	56	-63.16	0	0	56	63.16
5HORN LAKE% 337181 EES-MS 5ALLEN FP 360174 TVAZ	752	360023- 98868 8FREEPORT TN-YBUS1130 1	EES-MS	TVAZ	1271	-220.24	0	0	1271	220.24
4BAYOU_COVE%303014 LAGN 4HEBERT 335365 LAGN	754	335192-335367 8NELSON% -8RICHARD% 1	LAGN	LAGN	81	-3.76	0	0	81	3.76
COOPER 4 500220 CLEC LEESV 4 500480 CLEC	754	335192-335367 8NELSON% -8RICHARD% 1	CLEC	CLEC	0	0	2	0.05	2	0.05
8KEO% 337957 EES-ARK 8W.MEMPHIS% 338162 EES-ARK	767	338187-338188 8DELL% -8SANS SOUCI%1	EES-ARK	EES-ARK	1	-0.01	0	0	1	0.01
3HS EHV-E! 337740 EES-ARK 8HS EHV% 337753 EES-ARK	778	337753-337685 8HS EHV% -3HS EHV-W! 1	EES-ARK	EES-ARK	0	0	1	0	1	0
3STANDARD! 337340 EES-LA 3WINNFIELD! 337343 EES-LA	793	337420-337561 8STERLING% -8EL DORADO% 1	EES-LA	EES-LA	0	0	193	5.01	193	5.01
3REED% 337600 EES-ARK 3DUMAS% 337602 EES-ARK	793	337420-337561 8STERLING% -8EL DORADO% 1	EES-ARK	EES-ARK	0	0	18	1.79	18	1.79
3HS EHV-E! 337740 EES-ARK 3BUTTERFIELD337741 EES-ARK	795	337643-337763 8SHERIDAN% -8MAGNETCOVE%1	EES-ARK	EES-ARK	8	-10.83	0	0	8	10.83
3CHEETAH% 337705 EES-ARK 3HS VILLAGE 337707 EES-ARK	795	337643-337763 8SHERIDAN% -8MAGNETCOVE%1	EES-ARK	EES-ARK	1	-0.81	0	0	1	0.81
3AMITY+ 337674 EES-ARK 3MURFBORO.E#338849 EES-ARK	795	337643-337763 8SHERIDAN% -8MAGNETCOVE%1	EES-ARK	EES-ARK	8	-35.92	0	0	8	35.92
6CANTON 336866 EES-MS 6PICKENS! 337015 EES-MS	800	336945-337009 8LAKEOVER% -8MCADAMS% 1	EES-MS	EES-MS	0	0	150	7.05	150	7.05
6ADDIS% 335536 EES-LA 6TIGER! 335665 EES-LA	807	335537-335565 6DOW_METER% -6AIR_LQ_TP Z	EES-LA	EES-LA	9	-1.52	0	0	9	1.52
3BEAVER_CRK!337310 EES-LA BC PST 4 500070 CLEC	817	337343-337341 3WINNFIELD! -6WINNFIELD! 1	EES-LA	CLEC	0	0	22	0.03	22	0.03
8DELL% 338187 EES-ARK 8SANS SOUCI%338188 EES-ARK	828	338162-360075 8W.MEMPHIS% -8BHAM STEEL 1	EES-ARK	EES-ARK	2	-0.01	0	0	2	0.01
8SANS SOUCI%338188 EES-ARK 8DRIVER% 338198 EES-ARK	828	338162-360075 8W.MEMPHIS% -8BHAM STEEL 1	EES-ARK	EES-ARK	213	-1.48	0	0	213	1.48
6ESSO% 335642 EES-LA 6DELMONT 335664 EES-LA	831	335645-335655 6EXXON% -6DOWNTOWN! 1	EES-LA	EES-LA	1	-0.05	0	0	1	0.05
6CHISHOLM% 334429 EES-TX 6SABINE% 334434 EES-TX	841	334325-335188 8HARTBRG% -8RHODES% 1	EES-TX	EES-TX	483	-9.02	0	0	483	9.02
3COUCH% 337502 EES-ARK 3MCNEIL 337516 EES-ARK	850	337664-337685 3FRNDSHIP AR-3HS EHV-W! 1	EES-ARK	EES-ARK	0	0	21	39.6	21	39.6
3NATCHEZSES%336500 EES-MS 3RED_GUM! 337327 EES-LA	854	337319-337320 3S_FERDAY_TP-3PLANTATION!1	EES-MS	EES-LA	9	-2.55	0	0	9	2.55
6CROSSROADS!337100 EES-MS 3CLARKMUN 500164 CLEC	867	337100-337107 6CROSSROADS!-6MOONLAKE% 1	EES-MS	CLEC	36	-1.56	0	0	36	1.56
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	871	337304-500200 6MONTGOMERY!-COLFAX 6 1	EES-LA	EES-LA	29	-0.04	41	0.5	70	0.54
5HARRISON.E!338104 EES-ARK 5SUMMIT 338121 EES-ARK	893	338108-338110 5ST JOE -5HILLTOP% 1	EES-ARK	EES-ARK	0	0	2	0.82	2	0.82

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
3NATCHEZSES%336500 EES-MS 3RED_GUM! 337327 EES-LA	897	337320-337321 3PLANTATION!-3VIDALIA_LA 1	EES-MS	EES-LA	0	0	1378	109.5	1378	109.5
3S_FERDAY_TP337319 EES-LA 3PLANTATION!337320 EES-LA	897	337320-337321 3PLANTATION!-3VIDALIA_LA 1	EES-LA	EES-LA	0	0	573	47.15	573	47.15
8FRANKLIN% 336562 EES-MS 8R.BRASWELL%336839 EES-MS	913	336562-336820 8FRANKLIN% -8GGNS% 1	EES-MS	EES-MS	0	0	68	1.15	68	1.15
3MENDENHALL 336762 EES-MS 3STAR 336763 EES-MS	916	360654-360688 8CHOCTAW MS -8CLAY 1	EES-MS	EES-MS	0	0	247	11.11	247	11.11
3GREENWOOD+ 337023 EES-MS 3GREENWOOD! 337054 EES-MS	916	360654-360688 8CHOCTAW MS -8CLAY 1	EES-MS	EES-MS	28	-37.34	0	0	28	37.34
5BATESVILLE 360214 TVAZ 5TALLHACH IP361402 TVAZ	916	360654-360688 8CHOCTAW MS -8CLAY 1	TVAZ	TVAZ	117	-18.53	0	0	117	18.53
4SPLENDRI 334118 EES-TX 4JACINTO% 334208 EES-TX	946	334203-334204 6CHPTSR1 -6CHINA% 1	EES-TX	EES-TX	0	0	1	0.62	1	0.62
3BEAVER_CRK!337310 EES-LA 3JENA 337312 EES-LA	959	500200-500770 COLFAX 6 -RODEMR 6 1	EES-LA	EES-LA	8	-0.08	0	0	8	0.08
ELEESV 6 500280 CLEC 6RODEMR 6 500770 CLEC	959	500200-500770 COLFAX 6 -RODEMR 6 1	CLEC	CLEC	0	0	67	4.62	67	4.62
6LAKEOVER% 336848 EES-MS 6REX BROWN! 336855 EES-MS	961	336848-336855 6LAKEOVER% -6REX BROWN! 2	EES-MS	EES-MS	13	-1.78	0	0	13	1.78
5BATESVL 318301 SMEPA 5BATESVILLE 360214 TVAZ	978	318301-360214 5BATESVL -5BATESVILLE 2	SMEPA	TVAZ	260	-5.08	0	0	260	5.08
YBUS1130 98868 TVAZ 8FREEPORT TN360023 TVA	981	360023-360025 8FREEPORT TN-8CORDOVA TN 1	TVAZ	TVA	0	0	130	2.83	130	2.83
3LYNCH-W! 337949 EES-ARK 3NLR GALLOWY338489 EES-ARK	1004	337957-338162 8KEO% -8W.MEMPHIS% 1	EES-ARK	EES-ARK	2	-13	0	0	2	13
5SEQUOYAH NP360082 TVAZ 5CONCORD TN 360413 TVAZ	1007	360081-360662 8SEQUOYAH NP-8BRADLEY TN 1	TVAZ	TVAZ	112	-11.63	0	0	112	11.63
5CLAY 360689 TVAZ 5ABERD MS TP361121 TVAZ	1013	360035-360688 8WEST POINT -8CLAY Z	TVAZ	TVAZ	197	-12.43	0	0	197	12.43
3ARCADIA 337367 EES-LA 3REESE 337380 EES-LA	1019	337376-337562 7SAREPTA% -7EL DORADO 1	EES-LA	EES-LA	0	0	10	26.35	10	26.35
MARYVLE5 541251 MPS CLRND5 635034 MEC	1025	300097-652560 5MARYVL -CRESTON5 1	MPS	MEC	3	-0.01	0	0	3	0.01
YBUS1417 98581 SPP-C AFTON 5 512632 GRDA	1037	512631-512632 MIAMI 5 -AFTON 5 1	SPP-C	GRDA	0	0	7	11.23	7	11.23
OGALALA4 640302 NPPD SIDNEY 4 659134 BEPC	1041	640252-659425 KEYSTON3 -SIDNEY1-LNX31	NPPD	BEPC	0	0	1	0	1	0
7OVERTON 345408 AMMO 5OVERTON 345409 AMMO	1056	345088-345408 7MCCREDIE -7OVERTON 1	AMMO	AMMO	91	-2.69	0	0	91	2.69
5THMHIL 300120 AECIZ 5ADAIR1 344004 AMMO	1058	345435-345992 7MAYWOOD -7SPENCER 1	AECIZ	AMMO	11	-1.63	0	0	11	1.63
5MOBTAP 300126 AECIZ 5MOBERLY 345221 AMMO	1063	300120-543062 5THMHIL -SALSBRYS 1	AECIZ	AMMO	12	-5.24	0	0	12	5.24
5COFFMN 300072 AECIZ 5HUBEN 300088 AECIZ	1065	300041-300042 7FRANKS -7HUBEN 1	AECIZ	AECIZ	2	-1.56	0	0	2	1.56
6N SELMA6 384489 SE 6HARRIS SS 385500 SE	1070	384375-384374 8S.BESS 8 -6S.BESS 6 1	SE	SE	0	0	40	1.52	40	1.52
LAMBTON_L4D 160050 IESO 19STCPP 264656 DECO	1077	160065-264830 LAMBTON_L51D-19STCPP 1	IESO	DECO	1152	0	60	0	1212	0
MOSES E 147839 NY ST_LAWR_L33P155072 IESO	1078	147839-155073 MOSES E -ST_LAWR_L34P1	NY	IESO	0	0	7045	8.47	7045	8.47
MOSES E 147839 NY ST_LAWR_L34P155073 IESO	1079	147839-155072 MOSES E -ST_LAWR_L33P1	NY	IESO	0	0	7219	11.17	7219	11.17
YBUS2578 97420 BEPC LELANDO3 659105 WAPA	1081	659105- 97421 LELANDO3 -YBUS2577 1	BEPC	WAPA	0	0	2	0	2	0
YBUS1353 98645 SPP-C CATSAGR5 512638 AEPW	1082	512638- 98646 CATSAGR5 -YBUS1352 1	SPP-C	AEPW	0	0	1294	183.17	1294	183.17
YBUS1489 98509 SPP-C SEMINOL7 515045 OKGE	1084	515045- 98510 SEMINOL7 -YBUS1488 1	SPP-C	OKGE	0	0	12	7.89	12	7.89
YBUS1409 98589 SPP-C SHAM 3WT 512107 AEPW	1092	511541-511557 SWEETWT6 -CHISHOLM6 1	SPP-C	AEPW	0	0	39	4.54	39	4.54
02LALLENDORF241901 DECO 19MON12 264612 FE-ATSI	1099	238530-256583 02ALLEN -18MOROCCO 1; 264594-264613	DECO	FE-ATSI	0	0	14	0.21	14	0.21
19BAXTR 264519 DECO 19DIG 264562 DECO	1101	19LULU -19MON34 1	DECO	DECO	0	0	1126	0.25	1126	0.25
19DIG 264562 DECO 19DIGTP 264610 DECO	1101	264610-264616 19DIGTP -19NAVAR 1	DECO	DECO	49	0	0	0	49	0
3GW KING TAP304102 NC-SC 3KERR 314702 DOM	1103	304070-314697 6PERSON230 T-6HALIFAX 1	NC-SC	DOM	0	0	8	1.09	8	1.09
GRE-STANTON4615901 GRE SQBUTTE4 657756 MPC	1117	615600-615001 GRE-COAL CR4-GRE-COAL 41G1	GRE	MPC	0	0	515	1.26	515	1.26
GRE-STANTON4615901 GRE SQBUTTE4 657756 MPC	1118	615600-615002 GRE-COAL CR4-GRE-COAL 42G1	GRE	MPC	0	0	295	1.05	295	1.05
CENTER 4 657751 MPC SQBUTTE4 657756 MPC	1119	620358-620369 BUFFALO3 -JAMESTN3 1	MPC	MPC	0	0	20	0.03	20	0.03
HANKSON4 620327 OTP WAHPETN4 620329 OTP	1119	620358-620369 BUFFALO3 -JAMESTN3 1	OTP	OTP	9	-0.89	0	0	9	0.89

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
BISMARCK4 652426 WAUE MOUNDCITY 4 652499 WAUE	1122	652806-659424 FTTHOM1-LNX3-LELAND2-LNX31	WAUE	WAUE	0	0	7	0.04	7	0.04
TUCO_INT 6525830 SPP-C JONES 6526337 SPP-C	1129	525830-526161 TUCO_INT 6-CARLISLE 61	SPP-C	SPP-C	3	-0.03	0	0	3	0.03
NEOSHO 5 532937 WR RIV4525 547469 EDE	1130	532932-547476 LITCH 5 -ASB349 5 1	WR	EDE	3	-0.07	3	0.33	6	0.4
YBUS1626 98372 SPP-C POTTER_CO 6523959 SPS	1132	523097- 98399 HITCHLAND 7-YBUS1599 2	SPP-C	SPS	33	-4.01	0	0	33	4.01
TWIN CH4 640386 NPPD SIOUXCY4 652565 WAUE	1133	635200-640226 RAUN 3 -HOSKINS3 1	NPPD	WAUE	0	0	53	13.82	53	13.82
CMRIVTP3 539652 SECI E-LIBER3 539672 SECI	1135	539640-539777 HAYNE3 -NLBTAP-B3 1	SECI	SECI	3509	-0.83	0	0	3509	0.83
YBUS1731 98267 SPP-C EDDY_NORTH 6527799 SPS	1137	527799-527800 EDDY_NORTH 6-EDDY_SOUTH 61	SPP-C	SPS	0	0	54	4.29	54	4.29
SPRGFLD5 505492 SPP-C CLAY 5549970 SPRM	1142	300042-300045 7HUBEN -7MORGAN 1	SPP-C	SPRM	45	-6.42	0	0	45	6.42
17GOODLAND 255129 NIPS 17REYNOLDS 255173 NIPS	1145	255319-255352 17GOODLAND -17REMINGTON 9	NIPS	NIPS	1171	-50.53	0	0	1171	50.53
17GOODLAND 255129 NIPS 17REYNOLDS 255173 NIPS	1147	348232-348458 4SHELDONS -4WATSEKA 1	NIPS	NIPS	1469	-59.54	0	0	1469	59.54
05DUMONT 243219 AEP 17STILLWELL 255113 NIPS	1159	243206-270644 05DUMONT -WILTON ; 1	AEP	NIPS	0	0	2	0.03	2	0.03
17ROXANA 255172 NIPS STATELINE; B272502 COMED	1159	243206-270644 05DUMONT -WILTON ; 1	NIPS	COMED	0	0	9	0.02	9	0.02
7GOOS_CRK 348770 AMIL 7RISING 348882 AMIL	1159	243206-270644 05DUMONT -WILTON ; 1	AMIL	AMIL	2	-0.19	0	0	2	0.19
17STILLWELL 255113 NIPS 17STILLWELL 255180 NIPS	1172	243219-255113 05DUMONT -17STILLWELL 1	NIPS	NIPS	124	-3.01	0	0	124	3.01
HOOT LK7 620223 OTP FERGSFL7 658110 MRES	1175	602006- 97936 SHEYNNE4 -YBUS2062 6	OTP	MRES	112	-13.46	0	0	112	13.46
YBUS1965 98033 KCPL HAWTH 7 542972 KCPL	1184	542972- 98032 HAWTH 7 -YBUS1966 2	KCPL	KCPL	0	0	4	0.15	4	0.15
ADAMS L2 5 631123 ALTW HAYWARD L1 5631127 ALTW	1185	613042-631044 MURPHY CR 5 -HAYWARD L2 51 601028-694003 EAU CL 3 -ARPIN B4 1; 601014-601028 AS	ALTW	ALTW	0	0	1	0.04	1	0.04
WABACO 5 681532 DPC ROCHSTR5 681537 DPC	1187	KING3 -EAU CL 3 1	DPC	DPC	0	0	4	0.02	4	0.02
4PAXTON E 347972 AMIL 4GIFFORD 348118 AMIL	1197	255129-255159 17GOODLAND -17MORRISON 1	AMIL	AMIL	5	-0.06	0	0	5	0.06
5MIDWY JRDN#338813 EES-ARK BULL SH5 505460 SPP-C 3WOODWARD% 337620 EES-ARK 3ALTHEIMER+ 337962 EES-ARK	1199	504440-505460 BUFORD 5 -BULL SH5 1	EES-ARK	SPP-C	0	0	475	45.13	475	45.13
MINGO 7 531451 SECI REDWILO3 640325 NPPD	1221	337633-337968 6WOODWARD! -6RICUSKEY% 1	EES-ARK	EES-ARK	19	-8.23	0	0	19	8.23
4CARLYSS! 335060 EES-LA 6CARLYSS% 335070 EES-LA	1222	530583-640065 POSTROCK7 -AXTELL 3 1	SECI	NPPD	10	-0.13	0	0	10	0.13
7JOPPA TS 347325 AMIL 5JOPPA TS 351003 AMMO	1225	335200-335190 4NELSON% -6NELSON% 1	EES-LA	EES-LA	0	0	94	3.99	94	3.99
CBLUFFS5 635001 MEC S1206 5 646206 OPPD	1227	360001-360002 8SHAWNEE FP -7SHAWNEE FP 1	AMIL	AMMO	7	-0.33	0	0	7	0.33
5HENDR 340560 BREC 4HENDR 340617 BREC	1242	635000-645456 CBLUFFS3 -S3456 3 1	MEC	OPPD	56	-2.84	0	0	56	2.84
3WINN_PRISON337342 EES-LA 3WINNFIELD! 337343 EES-LA	1271	253620-340562 10ABB345 -7REID 1	BREC	BREC	0	0	31	0.6	31	0.6
SLOY MARTIN 344040 AMMO 5GUTHRIE 344677 AMMO	1277	337304-500170 6MONTGOMERY!-CLARN 6 1	EES-LA	EES-LA	0	0	3	0.69	3	0.69
DOLHILL7 500250 CLEC DOLHILL6 500260 CLEC	1284	345088-345230 7MCCREDIE -7MONTGMRY 1; 300044-	AMMO	AMMO	5	-0.1	1	0.73	6	0.83
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	1284	345088 7MCCRED -7MCCREDIE Z	CLEC	CLEC	3	-0.05	0	0	3	0.05
3DODSON 337344 EES-LA 3DANVILLE! 337345 EES-LA	1284	337368-509366 8MT_OLIVE% -LAYFLD8 1	EES-LA	EES-LA	0	0	1083	13.06	1083	13.06
3CABOT 338006 EES-ARK 3HOLND BTM! 338016 EES-ARK	1285	337368-509366 8MT_OLIVE% -LAYFLD8 1	EES-LA	EES-LA	0	0	308	26.07	308	26.07
5NEWMAD 300103 AECIZ 5TIPTONVL TN361261 TVAZ	1286	338144-338142 8ISES-XF -5ISES% 1; 338144-338142 8ISES-XF -5ISES% 2	EES-ARK	EES-ARK	0	0	2	0.46	2	0.46
5MARKEDTREE!338165 EES-ARK 5HARRISBURG+338167 EES-ARK	1286	338188-338198 8SANS SOUCI%-8DRIVER% 1	AECIZ	TVAZ	11	-0.29	0	0	11	0.29
5RIDGELY TN 360521 TVAZ 5TIPTONVL TN361261 TVAZ	1286	338188-338198 8SANS SOUCI%-8DRIVER% 1	EES-ARK	EES-ARK	0	0	81	4.52	81	4.52
	1286	338188-338198 8SANS SOUCI%-8DRIVER% 1	TVAZ	TVAZ	0	0	29	2.67	29	2.67

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
STIPTONVL TN361261 TVAZ 5POLK TP 361596 TVAZ	1286	338188-338198 8SANS SOUCI%-8DRIVER% 1	TVAZ	TVAZ	1	-0.03	0	0	1	0.03
GR JCT 5 631074 ALTW DRAGER5 656283 CBPC	1296	635300-635330 MONONA 5 -CRWFRD 5 1	ALTW	CBPC	0	0	649	29.57	649	29.57
4DIAMSTR TP1348745 AMIL 4MCLEAN CO 348854 AMIL	1318	270853-348847 PONTIAC ; R-7BROKAW 1	AMIL	AMIL	9	-8.39	1	0.04	10	8.43
WILMART7 603002 NSP SWAN LK7 603003 NSP	1325	601004-601072 WILMART3 -SHEAS LK3 1	NSP	NSP	17	-5.16	0	0	17	5.16
		602006- 97936 SHEYNNE4 -YBUS2062 6; 602006-620336								
HOOT LK7 620223 OTP EDGETAP7 620233 OTP	1326	SHEYNNE4 -AUDUBON4 1	OTP	OTP	7	-2.91	0	0	7	2.91
		602006- 97936 SHEYNNE4 -YBUS2062 6; 602006-620336								
HOOT LK7 620223 OTP FERGSFL7 658110 MRES	1326	SHEYNNE4 -AUDUBON4 1	OTP	MRES	11	-1.62	0	0	11	1.62
YBUS2652 97346 WPS STONE LK B1 694075 WPS	1327	694107-699676 PERSHING -GARDR PK 1	WPS	WPS	0	0	1435	3.01	1435	3.01
HOLCOMB7 603150 NSP CORNELL 603224 NSP	1327	694107-699676 PERSHING -GARDR PK 1	NSP	NSP	0	0	121	0.91	121	0.91
HOLCOMB7 603150 NSP PERSHING 7 603281 NSP	1327	694107-699676 PERSHING -GARDR PK 1	NSP	NSP	2	-0.03	1	0	3	0.03
18TITBAW 256290 CONS 18REDSTONE 256542 CONS	1342	256066-256542 18REGAL -18REDSTONE 1	CONS	CONS	0	0	7	0.25	7	0.25
6NELSON% 335190 EES-LA 8NELSON% 335192 EES-LA	1379	335189-335066 8PATTON -6PATTON 1	EES-LA	EES-LA	0	0	6	0.05	6	0.05
6LAYFLD 500465 CLEC WKRAFT 6 500910 CLEC	1380	334325-509366 8HARTBRG% -LAYFLD8 1	CLEC	CLEC	40	-1.82	0	0	40	1.82
3JENA 337312 EES-LA 3STANDARDI 337340 EES-LA	1380	334325-509366 8HARTBRG% -LAYFLD8 1	EES-LA	EES-LA	0	0	83	1.2	83	1.2
COOPER 4 500220 CLEC LEESV 4 500480 CLEC	1380	334325-509366 8HARTBRG% -LAYFLD8 1	CLEC	CLEC	0	0	425	23.88	425	23.88
TENRUSK7 508585 SPP-C CROCKET7 509241 SPP-C	1380	334325-509366 8HARTBRG% -LAYFLD8 1	SPP-C	SPP-C	50	-1.46	0	0	50	1.46
4FORK CK 334281 EES-TX 4RAYBURN% 334282 EES-TX	1384	334028-509241 7GRIMES% -CROCKET7 1	EES-TX	EES-TX	0	0	25	3.59	25	3.59
DOLHILL7 500250 CLEC DOLHILL6 500260 CLEC	1384	334028-509241 7GRIMES% -CROCKET7 1	CLEC	CLEC	24	-0.19	0	0	24	0.19
TRK RIV5 631060 ALTW STONEMAN 681519 DPC	1386	631191-693863 HCKRYCK3 -EDEN 345 1	ALTW	DPC	8	-0.3	0	0	8	0.3
07NWTVL1 248435 HE 10NTVL16 253580 SIGE	1388	247851-340563 05ROCKPT -7COLEMAN 1	HE	SIGE	0	0	2	0.01	2	0.01
5BRTAP 340624 BREC 5PARADISE FP360043 TVAZ	1388	247851-340563 05ROCKPT -7COLEMAN 1	BREC	TVAZ	0	0	186	2.25	186	2.25
WILMART7 603002 NSP SWAN LK7 603003 NSP	1401	601050-601072 HELENA 3 -SHEAS LK3 1	NSP	NSP	7	-0.4	0	0	7	0.4
BLK DOG7 603061 NSP WILSON 7 603116 NSP	1402	603061-603204 BLK DOG7 -WILSON TAP7 3	NSP	NSP	93	-17.26	0	0	93	17.26
GRE-MCHENRY7615348 GRE OTP VOLTAIRE620283 OTP	1403	602052-615347 MAGIC CITY 4-GRE-MCHENRY41	GRE	OTP	9	0	0	0	9	0
ST LAKE5 602017 NSP MINONG 5 608631 MP	1405	601001-601017 FORBES 2 -CHIS-N 2 1	NSP	MP	199	-0.02	0	0	199	0.02
16L TAP7 608718 MP COTTNTP7 608720 MP	1405	601001-601017 FORBES 2 -CHIS-N 2 1	MP	MP	482	-9.58	0	0	482	9.58
ARROWHD7 608673 MP GRE-BERGNT7618001 GRE	1405	601001-601017 FORBES 2 -CHIS-N 2 1	MP	GRE	3	-0.01	0	0	3	0.01
ARROWHD7 608673 MP GARY 7 608679 MP	1407	608676-608680 HIBBARD7 -WNTR ST7 1	MP	MP	377	-0.14	0	0	377	0.14
GR RPDS7 608740 MP GRE-POKEGMT7618009 GRE	1408	608612-608625 RIVERTN4 -BLCKBRY4 1	MP	GRE	55	-0.65	0	0	55	0.65
NIW 5 631036 ALTW COLBY5 631202 ALTW	1413	601002-631144 ADAMS 3 -MITCHLCO3 1	ALTW	ALTW	0	0	3	1.09	3	1.09
LAKEFLD3 631138 ALTW OBRIEN 3 635368 MEC	1415	631197-635369 LEDYARD3 -KOSSUTH 3 1	ALTW	MEC	0	0	3	0.11	3	0.11
LAWRENC7 603012 NSP SIOUXFL7 652524 BEPC	1419	602004-652523 SPLT RK4 -SIOUXFL4 1	NSP	BEPC	299	-21.25	0	0	299	21.25
05NEWCAR 243349 AEP 05BOSSERMAN 247489 AEP	1424	243353-247489 05OLIVE -05BOSSERMAN 1	AEP	AEP	25	-3.87	0	0	25	3.87
05OLIVE 243353 AEP 05BOSSERMAN 247489 AEP	1425	243349-243353 05NEWCAR -05OLIVE 1	AEP	AEP	148	-108.48	0	0	148	108.48
07HUBBL8 248831 HE 08BATESV 249691 DUK-IN	1432	243233-249567 05TANNER -08M.FORT 1	HE	DUK-IN	0	0	8	8.64	8	8.64
05TANNER 243233 AEP 06DEARB1 248001 AEP	1432	243233-249567 05TANNER -08M.FORT 1	AEP	AEP	2047	-122.94	0	0	2047	122.94
17GARY_AVE 255251 NIPS 17GARY_AVE 255252 NIPS	1439	255111-255251 17SHEFFIELD -17GARY_AVE 1	NIPS	NIPS	7	-17.57	0	0	7	17.57
GANGIE 303222 LAGN 6ADMSCRK% 336131 EES-LA	1461	303223-336137 6FR_BRANCH -6SLIDEL1 1	LAGN	EES-LA	0	0	6	0.14	6	0.14
3BATESVILLE 361116 TVAZ YBUS1158 98840 TVA	1462	318308-337123 6BATESVL -6BATESVILLE1 1	TVAZ	TVA	0	0	1693	18.35	1693	18.35
7NEOGA 347821 AMIL 4NEOGA 347822 AMIL	1481	346809-347821 7CASEY -7NEOGA 1	AMIL	AMIL	113	-1.75	0	0	113	1.75
BISMARK7 652427 WAUE ESTBMRK7 661029 BEPC	1495	657751-661053 CENTER 4 -MANDAN 4 1	WAUE	BEPC	5	-0.81	0	0	5	0.81
WABACO 5 681532 DPC ROCHSTR5 681537 DPC	1506	601043- 97949 BRIGGS RD 5 -YBUS2049 9	DPC	DPC	0	0	14	1.09	14	1.09
RUGBOTP7 620279 OTP RUGBY 7 652452 WAUE	1507	615903-620379 GRE-BALTA 4-RUGBY 4 1	OTP	WAUE	2428	-2.17	2322	1.22	4750	3.39
DEVILSE7 620265 MPC DEVIL J7 620267 OTP	1507	615903-620379 GRE-BALTA 4-RUGBY 4 1	MPC	OTP	4	0	0	0	4	0
M-TOWN 7 631004 ALTW BLRSTWN7 631013 ALTW	1508	631000-631083 ABBOTT 5 -TRAER 5 1	ALTW	ALTW	57	-4.12	0	0	57	4.12

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
TRAER 5 631083 ALTW DYSART 5 631086 ALTW	1513	631107-631186 JASPER 5 -LAUREL_5 1	ALTW	ALTW	2	-0.05	0	0	2	0.05
WAPELLO8 630048 ALTW ELDON 8 630408 ALTW	1514	631110-631111 WAPELLO5 -JEFF 5 1	ALTW	ALTW	9	-1.06	0	0	9	1.06
OSPNEY 7 603144 NSP PERSHING 7 603281 NSP	1527	694076-694107 STONE LK B2 -PERSHING 1	NSP	NSP	0	0	55	0.38	55	0.38
08FVPTS2 249677 DUK-IN 16FVE_T 254591 IPL	1528	249506-249612 08COLMBU -08COLMBU 1	DUK-IN	IPL	0	0	16	0.33	16	0.33
19WTRMN 264690 DECO 19WTRMN4 264984 DECO	1530	264610-264690 19DIGTP -19WTRMN 1	DECO	DECO	1885	-0.2	0	0	1885	0.2
19CANIFP 264730 DECO 19CANIF 264538 DECO	1530	264610-264690 19DIGTP -19WTRMN 1	DECO	DECO	48	-0.03	0	0	48	0.03
6ADDIS% 335536 EES-LA 6TIGER! 335665 EES-LA	1533	336000-336001 6IBERVIL% -6EVGREN! 1	EES-LA	EES-LA	36	-3.04	0	0	36	3.04
LKFLDXL3 601029 NSP LAKEFLD3 631138 ALTW	1535	601004-631193 WILMART3 -HUNTLEY3 1	NSP	ALTW	0	0	30	0.33	30	0.33
LAWRENC7 603012 NSP SIOUXFL7 652524 BEPC	1536	601006-652537 SPLT RK3 -WHITE 3 1	NSP	BEPC	1	-0.08	0	0	1	0.08
WABACO 5 681532 DPC ROCHSTR5 681537 DPC	1537	601039-613060 NROC 3 -BYRON 3 1	DPC	DPC	0	0	6	0.06	6	0.06
SHEYNNE7 603018 NSP MAPLTN 7 620203 OTP	1539	601067-620358 BISON 3 -BUFFALO3 1	NSP	OTP	0	0	58	1.12	58	1.12
RVT1BUS7 608657 MP GRE-MERRFLD7616701 GRE	1543	608610-608612 BADOURA4 -RIVERTN4 1	MP	GRE	16	-0.08	0	0	16	0.08
ARROWH7 608673 MP GRE-BERGNT7618001 GRE	1544	608614-608622 98L TAP4 -IRONRNG4 1	MP	GRE	1	0	0	0	1	0
16L TAP7 608718 MP COTTNTP7 608720 MP	1544	608614-608622 98L TAP4 -IRONRNG4 1	MP	MP	235	-2.27	0	0	235	2.27
RUGBOTP7 620279 OTP RUGBY 7 652452 WAUE	1545	615335-615903 GRE-RAMSEY 4-GRE-BALTA 41	OTP	WAUE	77	-0.19	0	0	77	0.19
HENSEL 7 620257 OTP LANGDON7 657709 MPC	1546	615335-615907 GRE-RAMSEY 4-GRE-RMSYCB14Z	OTP	MPC	0	0	6	0	6	0
LANGDON7 657709 MPC SWEETWA7 657720 MPC	1546	615335-615907 GRE-RAMSEY 4-GRE-RMSYCB14Z	MPC	MPC	11	-0.05	1	0	12	0.05
LAKEFLD3 631138 ALTW OBRIEN 3 635368 MEC	1549	631193-631197 HUNTLEY3 -LEDYARD3 1	ALTW	MPC	0	0	1	0.03	1	0.03
ST LAKES 602017 NSP MINONG 5 608631 MP	1551	694078-699449 STONE LK B4 -ARROWHD 1	NSP	MPC	240	-0.08	0	0	240	0.08
HIBBARD7 608676 MP WNTR ST7 608680 MP	1551	694078-699449 STONE LK B4 -ARROWHD 1	MP	MPC	3208	-9.03	0	0	3208	9.03
19BUNCE1 264536 DECO 19FITZ 265228 DECO	1555	264536-264947 19BUNCE1 -19BUNCE2 Z	DECO	MPC	223	0	1865	0.03	2088	0.03
19MOHIC1 264776 DECO 19STC2 264963 DECO	1555	264536-264947 19BUNCE1 -19BUNCE2 Z	DECO	DECO	41	0	0	0	41	0
19BRSTL1 264530 DECO 19FRISB 264561 DECO	1556	264538-264544 19CANIF -19CORTL 1	DECO	DECO	7	0	0	0	7	0
19RR1 264647 DECO 19MARON 264767 DECO	1557	264615-264747 19NAVAR -19I-N-RV 1	DECO	DECO	0	0	69	0.1	69	0.1
3TYLERTOWN! 336547 EES-MS 3SALEM MS+ 336574 SMEPA	1558	318440-318441 5SLVCKTIE -5PRENTISS 1	EES-MS	SMEPA	0	0	14	4.09	14	4.09
3NEW HEBRON 336575 EES-MS 3SILVCRK S% 336580 EES-MS	1558	318440-318441 5SLVCKTIE -5PRENTISS 1	EES-MS	SMEPA	0	0	18	5.21	18	5.21
4MARIES 345024 AMMO 5OLDMARS 300053 AECIZ	1560	344532-345402 SELDON -5SOSAGE 1	AMMO	AECIZ	3	-0.58	0	0	3	0.58
CLBRTSN7 659112 BEPC POPLAR 7 661075 BEPC	1562	652421-659262 WILISTN7 -CULBERTSN E71	BEPC	AECIZ	2151	-27.04	0	0	2151	27.04
05RILEYC 243080 AEP 05YELLWC 247000 AEP	1564	239269-242993 02RICHLJ -05E.LPSC 1	AEP	AEP	0	0	1512	70.57	1512	70.57
KEWANEE ;13271838 COMED 4KEWANEE N 348923 AMIL	1568	348923-348974 4KEWANEE N -4KEWANEE S Z	COMED	AMIL	0	0	2833	96.14	2833	96.14
BLRSTWN7 631013 ALTW PRAR CK7 631017 ALTW	1569	631001-631012 TOLEDO 5 -BL.PLN.5 1	ALTW	AMIL	199	-39.49	0	0	199	39.49
4JACKSNVL 347297 AMIL 4JACKSNVL IP348912 AMIL	1570	347688-347955 7MEREDOSIA -7AUSTIN 1	AMIL	AMIL	6	-1.51	0	0	6	1.51
4KEWANEE N 348923 AMIL 4KEWANEE S 348974 AMIL	1571	348944-349730 7SANDBURG -7FARGO 1	AMIL	AMIL	7	-0.72	0	0	7	0.72
4KEWANEE STP348924 AMIL 4SANDBURG 348972 AMIL	1571	348944-349730 7SANDBURG -7FARGO 1	AMIL	AMIL	2	-0.06	0	0	2	0.06
HELENA 3 601050 NSP SCOTTOC3 601055 NSP	1573	601015-601051 BLUE LK3 -HMPT CNR3 1	NSP	AMIL	3	-0.03	0	0	3	0.03
BIGSTON4 620314 OTP BROWNSV4 620325 OTP	1575	620362-620363 OAKES 4 -FORMAN 4 1	OTP	AMIL	20	-3.32	0	0	20	3.32
BIGSTON4 620314 OTP BROWNSV4 620325 OTP	1576	620362-661098 OAKES 4 -ELLENLMVP4 1	OTP	AMIL	30	-5.97	0	0	30	5.97
WERNER W B2 694080 WEC N APPLETON 699359 WEC	1579	694033-699359 MORGAN B2 -N APPLETON 1	WEC	AMMO	0	0	12	2.36	12	2.36
4N.HARD 340615 BREC 5N.HARD 340616 BREC	1581	324173-340624 5MATANZAS -5BRTAP 1	BREC	AMMO	2	-0.34	0	0	2	0.34
7PALMYRA 345436 AMMO 5PALMYRA 345437 AMMO	1582	345435-347010 7MAYWOOD -7HERLEMAN 1	AMMO	AMMO	3	-1.79	0	0	3	1.79
5MARBLE N 347516 AMIL 4MARBHD N 347515 AMIL	1582	345435-347010 7MAYWOOD -7HERLEMAN 1	AMIL	AMMO	39	-1.84	0	0	39	1.84
05FALL C 243222 AEP 16SUNNYS 254535 IPL	1585	243222-249515 05FALL C -08NOBLSV 1	AEP	AMMO	665	-25.61	0	0	665	25.61
05FALL C 243292 AEP 08NEWCAS 249810 DUK-IN	1586	243222-254535 05FALL C -16SUNNYS 1	AEP	AMMO	100	-7.63	0	0	100	7.63

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
10ELOT13 253526 SIGE 10802288 253552 SIGE	1587	249510-253620 08GIBSON -10ABB345 1	SIGE	SIGE	0	0	189	3.07	189	3.07
7DAVIESS 324104 LKE 7COLEMAN 340563 BREC	1587	249510-253620 08GIBSON -10ABB345 1	LKE	BREC	0	0	2	0	2	0
08M.FORT 250057 DUK-OH 08M.FORT 249567 DUK-OH	1588	249567-249575 08M.FORT -08TERMNL 1	DUK-OH	DUK-OH	0	0	26	7.88	26	7.88
08SGROVE 249573 DUK-OH 08SGROVE 250097 DUK-OH	1589	249571-249573 08REDBK1 -08SGROVE 1	DUK-OH	DUK-OH	43	-29.72	0	0	43	29.72
18SPALDG 256271 CONS 18PETISJ 256326 CONS	1590	256147-256215 18GAINES -18MEADWJ 1	CONS	CONS	0	0	3	7.56	3	7.56
4LTV STL NTP348919 AMIL 4PRINCETN TP348921 AMIL	1594	271655-271835 HENNEEPIN; T-KEWANEE ;231	AMIL	AMIL	0	0	10	6.94	10	6.94
CRESCENT ; R271241 COMED OGLESBY ; T272189 COMED	1594	271655-271835 HENNEEPIN; T-KEWANEE ;231	COMED	COMED	87	-4.47	0	0	87	4.47
4INA 347280 AMIL 4WALTON TP 348841 AMIL	1595	346992-348827 7E W FKFT -7W MT VERNON1	AMIL	AMIL	0	0	177	17.52	177	17.52
4W FKFT E 348416 AMIL 4W.FRKFT 348425 AMIL	1595	346992-348827 7E W FKFT -7W MT VERNON1	AMIL	AMIL	0	0	178	13.47	178	13.47
4BROKAW 348848 AMIL 4N LEROY TAP348898 AMIL	1596	348770-348850 7GOOS_CRK -7MAROA E JCT1	AMIL	AMIL	340	-82.95	0	0	340	82.95
4BROKAW 348848 AMIL 4N LEROY TAP348898 AMIL	1597	348770-348882 7GOOS_CRK -7RISING 1	AMIL	AMIL	94	-22.09	0	0	94	22.09
4MAKANDA 347499 AMIL 4ORDILL 347883 AMIL	1598	346792-347166 4CARBD NW -4GRAND TW 1	AMIL	AMIL	202	-2.15	0	0	202	2.15
4GIBSON C 347114 AMIL 4CB BROKW TP348913 AMIL	1599	347114-347971 4GIBSON C -4PAXTON 1	AMIL	AMIL	18	-0.02	0	0	18	0.02
MAZON ; R271987 COMED OGLESBY ; T272189 COMED	1600	348745-348854 4DIAMSTR TP1-4MCLEAN CO 1	COMED	COMED	0	0	898	103.45	898	103.45
4GHENT 324253 LKE 4NAS TP 324287 LKE	1602	324105-324109 7GHENT -7NAS 1	LKE	LKE	776	-80.45	0	0	776	80.45
POWESHK5 631113 ALTW BEACON 5 635870 MEC	1603	631143-635730 OTTUMWA3 -MNTZUMA3 1	ALTW	MEC	17	-0.89	0	0	17	0.89
CBLUFFS3 635000 MEC S3456 3 645456 OPPD	1604	635017-640139 ATCHSN 3 -COOPER 3 1	MEC	OPPD	1	0	0	0	1	0
19CANIFP 264730 DECO 19CANIF 264538 DECO	1608	264626-264763 19NEAST -19STEPH 1	DECO	DECO	7	-0.02	0	0	7	0.02
LATHAM ; T270804 COMED 7LATHAM 348856 AMIL	1610	270796-270804 KINCAID ; B-LATHAM ; T1	COMED	AMIL	48	-1.11	0	0	48	1.11
IRONRNG4 608622 MP FORBES 4 608624 MP	1611	601001-601013 FORBES 2 -ROSEAUS2 1	MP	MP	583	-4.87	0	0	583	4.87
4SPLENDI 334118 EES-TX 4JACINTO% 334208 EES-TX	1613	334124-334202 6RANCH% -6CHPTS2 1	EES-TX	EES-TX	0	0	2	0.42	2	0.42
18ENT1 263811 CONS 18REO1 263838 CONS	1616	263801-263850 18ECK1 -18GM-LGR 1	CONS	CONS	0	0	46	0.93	46	0.93
BROOKLINE 7549984 SPRM YBUS2007 97991 SPRM	1619	549984- 97990 BROOKLINE 7-YBUS2008 2	SPRM	SPRM	98	-2.02	0	0	98	2.02
S3 7 652508 WAUE GRANITF7 652551 WAUE	1647	601048- 97947 LYON CO 3 -YBUS2051 9	WAUE	WAUE	310	-54.5	0	0	310	54.5
NEAST 5 542985 KCPL CHARLOT5 543133 KCPL	1648	542985-542988 NEAST 5 -GRAND W5 1	KCPL	KCPL	122	-59.8	0	0	122	59.8
NEOSHO 5 532937 WR RIV4525 547469 EDE	1649	300739-532793 7BLACKBERRY-NEOSHO 7 1	WR	EDE	236	-11.23	0	0	236	11.23
05CLYTR1 242608 AEP 05SCHRS 242791 AEP	1654	242512-242514 05CLOVRD -05J.FERR 1; 242684-242685	AEP	AEP	105	-27.51	0	0	105	27.51
05FIELDAL1 242638 AEP 05THORNT 242831 AEP	1654	242512-242514 05CLOVRD -05J.FERR 1; 242684-242685	AEP	AEP	2	-9.17	0	0	2	9.17
05M FUNK 242708 AEP 05TECHDR 243874 AEP	1654	242512-242514 05CLOVRD -05J.FERR 1; 242684-242685	AEP	AEP	0	0	5	0.35	5	0.35
DRESDEN ; R270717 COMED ELWOOD ; R270737 COMED	1655	270717-270731 DRESDEN ; R-ELECT JCT;4R1; 270717-275180	COMED	COMED	139	-7.53	0	0	139	7.53
8WATERFO 336150 EES-LA 6WATFRD% 336154 EES-LA	1665	DRESDEN ; R-DRESDEN ;3M1 336137-500360 6SLIDEI! -FRONTST6 1; 336149-336153 6WATFRD_TP% -1WAT U3! 1; 336149-336153	EES-LA	EES-LA	1	-0.05	0	0	1	0.05
6PANAMA% 336063 EES-LA 6WILTON% 336070 EES-LA	1667	336150-336154 8WATERFO -6WATFRD% 1; 336149-336153 6WATFRD_TP% -1WAT U3! 1; 336149-336153	EES-LA	EES-LA	30	-5.72	0	0	30	5.72
6ST_GABRIEL%335569 EES-LA 6AAC_CORP 335573 EES-LA	1668	335618-336150 8WILLOW_GL% -8WATERFO 1; 336149-336153 6WATFRD_TP% -1WAT U3! 1; 336149-336153	EES-LA	EES-LA	9	-0.47	0	0	9	0.47

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
6ADMSCRK% 336131 EES-LA 6BOGALUS! 336136 EES-LA	1672	336131-336136 6ADMSCRK% -6BOGALUS! 2; 336149-336153 6WATFRD_TP% -1WAT U3! 1; 336149-336153 6WATFRD_TP% -1WAT U3! 2 334320-334325 8CYPRESS% -8HARTBRG% 1; 334456-334455 1CONOCU1! -4SRWCONOCO! 1; 334457-334455 1CONOCU2! -4SRWCONOCO! 1; 334458-334455 1CONOCU3! -	EES-LA	EES-LA	11	-1.36	0	0	11	1.36
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1676	4SRWCONOCO! 1 334320-334325 8CYPRESS% -8HARTBRG% 1; 334456-334455 1CONOCU1! -4SRWCONOCO! 1; 334457-334455 1CONOCU2! -4SRWCONOCO! 1; 334458-334455 1CONOCU3! -	EES-LA	EES-LA	0	0	7	0.61	7	0.61
4FORK CK 334281 EES-TX 4RAYBURN% 334282 EES-TX	1676	4SRWCONOCO! 1 336154-336190 6WATFRD% -6GYPSY% 1; 336250-336252 69MILE% -1NNMIL U5! 1	EES-TX	EES-TX	0	0	19	2.26	19	2.26
6WATFRD% 336154 EES-LA 6GYPSY% 336190 EES-LA	1716	334363-334429 6HARTBRG% -6CHISHOLM% 1; 334440-334434 1G4SABIN! -6SABINE% 1	EES-LA	EES-LA	8	-0.74	0	0	8	0.74
6MCLEWIS 334361 EES-TX 6CHISHOLM% 334429 EES-TX	1763	334363-334429 6HARTBRG% -6CHISHOLM% 1; 334441-334434 1G5SABIN! -6SABINE% 1	EES-TX	EES-TX	63	-57.59	0	0	63	57.59
6MCLEWIS 334361 EES-TX 6CHISHOLM% 334429 EES-TX	1764	334320-334325 8CYPRESS% -8HARTBRG% 1; 334440-334434 1G4SABIN! -6SABINE% 1	EES-TX	EES-TX	27	-0.71	0	0	27	0.71
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1787	334320-334325 8CYPRESS% -8HARTBRG% 1; 334440-334434 1G4SABIN! -6SABINE% 1	EES-LA	EES-LA	0	0	21	0.29	21	0.29
4FORK CK 334281 EES-TX 4RAYBURN% 334282 EES-TX	1787	334320-334325 8CYPRESS% -8HARTBRG% 1; 334441-334434 1G4SABIN! -6SABINE% 1	EES-TX	EES-TX	0	0	347	127.96	347	127.96
4FORK CK 334281 EES-TX 4RAYBURN% 334282 EES-TX	1788	334320-334325 8CYPRESS% -8HARTBRG% 1; 334433-334430 1G5SABIN! -6SABINE% 1	EES-TX	EES-TX	0	0	48	9.99	48	9.99
4FORK CK 334281 EES-TX 4RAYBURN% 334282 EES-TX	1790	334320-334325 8CYPRESS% -8HARTBRG% 1; 334433-334430 1G3SABIN! -4SABINE% 1	EES-TX	EES-TX	0	0	2	0.09	2	0.09
6NELSON% 335190 EES-LA 8NELSON% 335192 EES-LA	1795	335189-335066 8PATTON -6PATTON 1; 335200-335201 4NELSON% -1NELSON_G1! 1	EES-LA	EES-LA	0	0	3	0.01	3	0.01
6NELSON% 335190 EES-LA 8NELSON% 335192 EES-LA	1796	335189-335066 8PATTON -6PATTON 1; 335200-335202 4NELSON% -1NELSON_G2! 1	EES-LA	EES-LA	0	0	2	0.01	2	0.01
6NELSON% 335190 EES-LA 8NELSON% 335192 EES-LA	1797	335189-335066 8PATTON -6PATTON 1; 335190-335206 6NELSON% -1NELSON_G6! 1	EES-LA	EES-LA	0	0	55	0.38	55	0.38
4CARLYSS! 335060 EES-LA 6CARLYSS% 335070 EES-LA	1798	335200-335190 4NELSON% -6NELSON% 1; 335200-335201 4NELSON% -1NELSON_G1! 1	EES-LA	EES-LA	0	0	553	17.42	553	17.42
4CARLYSS! 335060 EES-LA 6CARLYSS% 335070 EES-LA	1799	335200-335190 4NELSON% -6NELSON% 1; 335200-335202 4NELSON% -1NELSON_G2! 1	EES-LA	EES-LA	0	0	511	14.58	511	14.58
4CARLYSS! 335060 EES-LA 6CARLYSS% 335070 EES-LA	1800	335200-335190 4NELSON% -6NELSON% 1; 335190-335206 6NELSON% -1NELSON_G6! 1	EES-LA	EES-LA	0	0	2	0.04	2	0.04
4BAYOU_COVE%303014 LAGN 4HEBERT 335365 LAGN	1801	335192-335367 8NELSON% -8RICHARD% 1; 335200-335201 4NELSON% -1NELSON_G1! 1	LAGN	LAGN	79	-4.99	0	0	79	4.99
4BAYOU_COVE%303014 LAGN 4HEBERT 335365 LAGN	1802	335192-335367 8NELSON% -8RICHARD% 1; 335200-335202 4NELSON% -1NELSON_G2! 1	LAGN	LAGN	79	-8.15	0	0	79	8.15
4LC_BULK_N! 335210 EES-LA 4COL_WLSH_TP335281 EES-LA	1803	335192-335367 8NELSON% -8RICHARD% 1; 335190-335206 6NELSON% -1NELSON_G6! 1	EES-LA	EES-LA	0	0	2	0.2	2	0.2
4BAYOU_COVE%303014 LAGN 4HEBERT 335365 LAGN	1803	335192-335367 8NELSON% -8RICHARD% 1; 335190-335206 6NELSON% -1NELSON_G6! 1	LAGN	LAGN	281	-47.22	0	0	281	47.22
BVISTA 4 500060 CLEC ELPTAP 4 500290 CLEC	1804	335368-335500 8WELLS% -8WEBRE% 1; 335200-335201 4NELSON% -1NELSON_G1! 1	CLEC	CLEC	11	-0.77	0	0	11	0.77
BVISTA 4 500060 CLEC ELPTAP 4 500290 CLEC	1805	335368-335500 8WELLS% -8WEBRE% 1; 335200-335202 4NELSON% -1NELSON_G2! 1	CLEC	CLEC	11	-0.4	0	0	11	0.4

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
BVISTA 4 500060 CLEC ELPTAP 4 500290 CLEC	1806	335368-335500 8WELLS% -8WEBRE% 1; 335190-335206 6NELSON% -1NELSON_G6! 1	CLEC	CLEC	144	-20.33	0	0	144	20.33
ELPTAP 4 500290 CLEC WAXLAKE4 500890 CLEC	1806	335368-335500 8WELLS% -8WEBRE% 1; 335190-335206 6NELSON% -1NELSON_G6! 1	CLEC	CLEC	2	-0.2	0	0	2	0.2
6ADMSCRK% 336131 EES-LA 6BOGALUS! 336136 EES-LA	1814	336131-336136 6ADMSCRK% -6BOGALUS! 1; 336250-336252 69MILE% -1NMIL U5! 1	EES-LA	EES-LA	13	-1.56	0	0	13	1.56
RAD315 A181020 TE SNDYPD HVDC1114071 ISO-NE	DC	DC	TE	ISO-NE	502	-0.17	0	0	502	0.17
28NEPTUNE 206400 JCPL NEPTCONV 128842 NY	DC	DC	JCPL	NY	1363	-0.42	6617	3.09	7980	3.51
CNV_BRG 219810 PSEG CNV_BRG2 217177 PSEG	DC	DC	PSEG	PSEG	0	0	8760	0.81	8760	0.81
SQBP1DC4 608597 MP ARDP1DC4 608596 MP	DC	DC	MP	MP	6416	-2.81	713	0.31	7129	3.12
SQBP2DC4 608599 MP ARDP2DC4 608598 MP	DC	DC	MP	MP	6688	-2.77	1275	0.19	7963	2.96
GRE-COAL CR4615600 GRE GRE-DICKNSN3615353 GRE	DC	DC	GRE	GRE	3219	-1.1	456	0.12	3675	1.22
GRE-COAL CR4615600 GRE GRE-DICKNSN3615353 GRE	DC	DC	GRE	GRE	1230	-0.08	87	-0.01	1317	0.09
CONAWAP4 667000 MHEB RIEL 4 667041 MHEB	DC	DC	MHEB	MHEB	1992	-2	631	0.02	2623	2.02
CONAWAP4 667000 MHEB RIEL 4 667041 MHEB	DC	DC	MHEB	MHEB	1395	-1.41	570	-0.37	1965	1.78
HENDAY 4 667001 MHEB DORSEY 4 667035 MHEB	DC	DC	MHEB	MHEB	1380	-1.38	938	-0.04	2318	1.42
HENDAY 4 667001 MHEB DORSEY 4 667035 MHEB	DC	DC	MHEB	MHEB	504	-0.51	1392	-0.88	1896	1.39
RADSND6 667231 MHEB DC5 JCT4 667036 MHEB	DC	DC	MHEB	MHEB	335	-0.34	98	-0.04	433	0.38
RADSND6 667231 MHEB DC6 JCT4 667037 MHEB	DC	DC	MHEB	MHEB	317	-0.32	7	0	324	0.32

**PROMOD Projected Congestion Data
2026 EF No H-W**

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
HG_CONVRTR_N107326 ISO-NE HG_CONVRTR_S107324 ISO-NE	1	No Outage	ISO-NE	ISO-NE	4631	-4.12	4129	3.34	8760	7.46
CONAWAP4 667000 MHEB RIEL 4 667041 MHEB	1	No Outage	MHEB	MHEB	6288	-6.29	2472	2.47	8760	8.76
INTERFACE PJM Eastern Interfac 7	1	No Outage			13	-0.09	0	0	13	0.09
INTERFACE PJM-CENTRAL INTERFAC 8	1	No Outage			385	-2.94	691	12.63	1076	15.57
INTERFACE PJM- WESTERN INTERFA 9	1	No Outage			1	0	0	0	1	0
INTERFACE McGulpin - Straits 17	1	No Outage			414	-4.93	477	3	891	7.93
INTERFACE SPSPSTIES 18	1	No Outage			219	-44.8	0	0	219	44.8
INTERFACE GRIS_LNC 20	1	No Outage			86	-1.35	0	0	86	1.35
INTERFACE COOPER_S 21	1	No Outage			10	-0.16	0	0	10	0.16
INTERFACE SPS North - South 24	1	No Outage			854	-69.48	0	0	854	69.48
INTERFACE MH_ONT_W 27	1	No Outage			946	-1.75	4312	47.08	5258	48.83
INTERFACE DYSINGER 7001 28	1	No Outage			46	-0.67	0	0	46	0.67
INTERFACE NY WEST CENTRAL 29	1	No Outage			16	-0.01	8	0.03	24	0.04
INTERFACE ADIRONDACK - CENTRAL 30	1	No Outage			0	0	3003	1.85	3003	1.85
INTERFACE EDISON LONGISLAND 33	1	No Outage			1501	-0.1	737	0.15	2238	0.25
INTERFACE DUNWOODIE - SOUTH TI 34	1	No Outage			725	-1.56	0	0	725	1.56
INTERFACE IESO-MP 39	1	No Outage			4570	-47.5	106	0.31	4676	47.81
INTERFACE HYDROONE_ONT-ITC 41	1	No Outage			8	-0.03	0	0	8	0.03
INTERFACE ONT-NYIS 42	1	No Outage			576	-0.5	3974	16.53	4550	17.03
COALCREEK NOMO 1	1	No Outage			946	-1.69	2732	4.19	3678	5.88
MISO-ONT Nomogram 2	1	No Outage			4740	-50.35	2439	4.69	7179	55.04
North South Constraint 3	1	No Outage			125	-0.39	77	0.18	202	0.57
OAHE 4 652519 WAUE SULLYBT4 652521 WAUE	1	No Outage	WAUE	WAUE	2	-0.06	0	0	2	0.06
POWERTON ; R270855 COMED 7TAZEWELL 349662 AMIL	1	No Outage	COMED	AMIL	3	-0.18	0	0	3	0.18
05DANVL2 242620 AEP 05EDAN 1 242631 AEP	1	No Outage	AEP	AEP	95	-8.36	0	0	95	8.36
CDRGV 216915 PSEG ROSELAND 216950 PSEG	1	No Outage	PSEG	PSEG	1805	-0.16	13	0	1818	0.16
E FRANKFO; B270728 COMED GOODINGS ;3B270766 COMED	1	No Outage	COMED	COMED	10	-2.29	0	0	10	2.29
E FRANKFO; R270729 COMED GOODINGS ;1R270767 COMED	1	No Outage	COMED	COMED	23	-0.22	0	0	23	0.22
26ERIE E 200654 PENELEC 26FOURMILE 200928 PENELEC	1	No Outage	PENELEC	PENELEC	3291	-148.41	0	0	3291	148.41
ESSEX_PAR 217124 PSEG ESSEX_PLEADS219078 PSEG	1	No Outage	PSEG	PSEG	1829	-0.06	3105	0.23	4934	0.29
ATHENIA_3 216901 PSEG ERUTHF_1 217304 PSEG	1	No Outage	PSEG	PSEG	8	0	0	0	8	0
FTSLO PS 224121 PEPCO FTSLO 69 224122 PEPCO	1	No Outage	PEPCO	PEPCO	4029	-0.47	2299	0.2	6328	0.67
QUAD 1 3-11 270864 COMED ROCK CK3 631141 ALTW	1	No Outage	COMED	ALTW	17	-8.74	0	0	17	8.74
SPRINGRD_2 216911 PSEG ALDENE_6 218345 PSEG	1	No Outage	PSEG	PSEG	0	0	2	0	2	0
26TIFFANY 200679 PENELEC 26LAUREL L 200680 PENELEC	1	No Outage	PENELEC	PENELEC	0	0	4	0.07	4	0.07
WALDWICK 217062 PSEG WALDWICK 217063 PSEG	1	No Outage	PSEG	PSEG	0	0	4248	8.14	4248	8.14
28WHIPPANY 206257 JCPL ROSELAND 216950 PSEG	1	No Outage	JCPL	PSEG	0	0	48	0.19	48	0.19
WSPTSEC2 221331 BGE WP PH.S2 221373 BGE	1	No Outage	BGE	BGE	109	0	2385	0.12	2494	0.12
ARROWHD4 608615 MP AWHHD PST 699448 WPS	1	No Outage	MP	WPS	271	-0.58	0	0	271	0.58

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
NORTHWEST; R272129 COMED NORTHWEST;8S272135 COMED	1	No Outage	COMED	COMED	0	0	11	0.07	11	0.07
STATELINE;3B272504 COMED STATELINE;2S272506 COMED RIDGELAND; B272352 COMED RIDGELAND;BS272354 COMED	1	No Outage	COMED	COMED	559	-4.01	0	0	559	4.01
RAM PAR 126296 NY RAMAPO 126297 NY	1	No Outage	COMED	COMED	574	-0.44	0	0	574	0.44
RAM PAR 126296 NY RAMAPO 126297 NY	1	No Outage	NY	NY	54	0	6691	4.6	6745	4.6
LARSON 4659372 BEPC TIOGA4 4 661084 BEPC	1	No Outage	NY	NY	58	0	6731	4.61	6789	4.61
LARSON 4659372 BEPC BDV 4 672603 SPC	1	No Outage	BEPC	BEPC	0	0	2522	2.28	2522	2.28
6SRS2 371308 NC-SC 6VOGTLE 380115 SE	1	No Outage	BEPC	SPC	59	-0.02	2337	1.81	2396	1.83
GENTLMN3 640183 NPPD REDWILO3 640325 NPPD	1	No Outage	NC-SC	SE	0	0	17	0.38	17	0.38
YBUS2615 97383 MDU COYOTE 7 661018 OTP	1	No Outage	NPPD	NPPD	148	-36.43	0	0	148	36.43
HIBBARD7 608676 MP WNTR ST7 608680 MP	1	No Outage	MDU	OTP	127	-0.91	0	0	127	0.91
TOWNLINE 699141 ALTE BASSCRK 699897 ALTE	1	No Outage	MP	MP	193	-0.02	0	0	193	0.02
CNASTONE 200004 BGE PCHBTM1S 200064 PECO	1	No Outage	ALTE	ALTE	8	-6.7	0	0	8	6.7
18ALBAJ 256031 CONS STOVER 256275 CONS	1	No Outage	BGE	PECO	0	0	3721	83.96	3721	83.96
CLYBOURN ; B271218 COMED DIVERSEY ; B271326 COMED CLYBOURN ; B271218 COMED WEST LOOP; G272762 COMED	1	No Outage	CONS	CONS	0	0	409	15.43	409	15.43
GRENSHAW ; R271579 COMED WASHINGTO; R272727 COMED	1	No Outage	COMED	COMED	571	-0.13	0	0	571	0.13
4KEWANEE STP348924 AMIL 4KEWANEE S 348974 AMIL	1	No Outage	COMED	COMED	0	0	42	3.1	42	3.1
WEBER RD ; B272742 COMED WILL CNTY;BT272784 COMED ST LAKE5 602017 NSP MINONG 5 608631 MP	1	No Outage	COMED	COMED	0	0	215	1.86	215	1.86
07RATTAP 248428 HE 16PETE 254638 IPL	1	No Outage	AMIL	AMIL	0	0	12	1.34	12	1.34
5MATANZAS 324173 LKE 5BRTPAP 340624 BREC	1	No Outage	COMED	COMED	0	0	48	17.21	48	17.21
08CONERV 249714 DUK-IN 08LEWSVL 249783 DUK-IN	1	No Outage	NSP	MP	343	-0.06	0	0	343	0.06
ROLLETTE 230620378 OTP RUGBY 4 620379 OTP	1	No Outage	HE	IPL	0	0	32	0.45	32	0.45
5LEBJCTT 324150 LKE 5PADDYSR 324154 LKE	1	No Outage	LKE	BREC	2	-0.06	0	0	2	0.06
5MARYVL 300097 AECIZ 5NODWAY 300104 AECIZ	1	No Outage	DUK-IN	DUK-IN	0	0	37	2.58	37	2.58
4FFRT E 324250 LKE 4TYRONE 324315 LKE	1	No Outage	OTP	OTP	0	0	49	0.05	49	0.05
5PINEVSW 324156 LKE 5PINEVILL KY360452 TVAZ	5	242510-242511 05BAKER -05BROADF 1	LKE	LKE	0	0	4	1.73	4	1.73
POWERTON ; R270855 COMED 7TAZEWELL 349662 AMIL	8	541252-541253 ST JOEREA 5 -ST JOE 5 Z	AECIZ	AECIZ	0	0	7	1.72	7	1.72
SUNNYVAL 699666 WPS SHRMRN ST 699704 WPS	15	324105-324116 7GHENT -7W LEXNG 1; 324102-324116	LKE	LKE	3	-0.05	0	0	3	0.05
05BENTON 243212 AEP 05BENTON 243250 AEP	29	324073-360102 8POCKETN -8PHIPPS B NP1	LKE	TVAZ	1	-1.02	25	1.09	26	2.11
LORETTO ; B270704 COMED PONTIAC ; B270852 COMED	40	270769-270855 GOODINGS ;2R-POWERTON ; R1	COMED	AMIL	1	-0.02	0	0	1	0.02
05DANVL2 242620 AEP 05EDAN 1 242631 AEP	44	694002-694068 ARPIN B3 -ROCKY RN B8 1	WPS	WPS	0	0	8	6.69	8	6.69
05DANVL2 242620 AEP 05EDAN 1 242631 AEP	48	243212-243215 05BENTON -05COOK 1	AEP	AEP	3	-0.04	0	0	3	0.04
05TANNER 243233 AEP 08M.FORT 249567 DUK-OH	59	270717-270853 DRESDEN ; R-PONTIAC ; R1	COMED	COMED	0	0	1	0.01	1	0.01
3RIVERTON 337338 EES-LA 3RILLA! 337386 EES-LA	104	242519-314912 05CLOVRD -8LEXNGTN 1	AEP	AEP	2	-0.01	0	0	2	0.01
3PARNELL RD 337545 EES-ARK 3NEWELL 337546 EES-ARK	115	242520-306719 05J.FERR -8ANTIOCH 1	AEP	AEP	188	-10.45	0	0	188	10.45
	134	249565-249575 08EBEND -08TERMNL 1	AEP	DUK-OH	1713	-45.91	0	0	1713	45.91
	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-LA	EES-LA	0	0	1	0	1	0
	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-ARK	EES-ARK	9	-15.52	0	0	9	15.52

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3WYATT! 337544 EES-ARK 3PARNELL RD 337545 EES-ARK	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-ARK	EES-ARK	884	-194.35	0	0	884	194.35
DOLHILL7 500250 CLEC DOLHILL6 500260 CLEC	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	CLEC	CLEC	93	-1.5	0	0	93	1.5
3DOWNSVILLE 337374 EES-LA 3STERL2% 337414 EES-LA	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-LA	EES-LA	0	0	33	24.3	33	24.3
3STANDARD! 337340 EES-LA 3WINNFIELD! 337343 EES-LA	160	337368-337561 8MT_OLIVE% -8EL DORADO% 1	EES-LA	EES-LA	3	-0.02	0	0	3	0.02
3ROCKYMT115T304223 NC-SC 3BTLEBRO 314554 DOM	163	304183-314935 8WAKE 500 TT-8HERITAGE 1	NC-SC	DOM	0	0	1289	143.46	1289	143.46
6GREENVILE T304451 NC-SC 6EVERETS 314574 DOM	163	304183-314935 8WAKE 500 TT-8HERITAGE 1	NC-SC	DOM	0	0	4	0.25	4	0.25
6PERSON230 T304070 NC-SC 6HALIFAX 314697 DOM	163	304183-314935 8WAKE 500 TT-8HERITAGE 1	NC-SC	DOM	0	0	166	5.65	166	5.65
01KRENDL 235205 APS 02SENECA 239099 FE-ATSI	197	235104-239280 01CABOT -02CRNBRY 1	APS	FE-ATSI	37	-1.03	0	0	37	1.03
		235104-239280 01CABOT -02CRNBRY 1; 235703-239280								
01MITCHL 235124 APS 15WILSON 254018 DUQ	198	01WYLLIE R -02CRNBRY 1	APS	DUQ	6	-0.19	0	0	6	0.19
NOTTINGHM 213844 PECO NOTTREAC 213846 PECO	202	200004-200064 CNASTONE -PCHBTM1S 1	PECO	PECO	1	0	0	0	1	0
PLYMTG 3 213908 PECO WHITPAN3 214037 PECO	206	213525-214213 CROMBY 5 -LOCK 1	PECO	PECO	0	0	4	3.71	4	3.71
DRESDEN ; R270717 COMED DRESDEN ;3M275180 COMED	215	270717-270737 DRESDEN ; R-ELWOOD ; R1	COMED	COMED	23	-7.26	0	0	23	7.26
IPAPER 4 500430 CLEC WALLAKE4 507765 SPP-C	270	500250-507760 DOLHILL7 -SW SHV 7 1	CLEC	SPP-C	1	-0.66	0	0	1	0.66
26ERIE E 200654 PENELEC 26FOURMILE 200928 PENELEC	307	135398-200942 SW345 -26PIERCEBRK 1	PENELEC	PENELEC	485	-15.02	0	0	485	15.02
4MTVERNW 3 348828 AMIL 4WEST SALEM 348836 AMIL	335	348493-348827 7XENIA -7W MT VERNON1	AMIL	AMIL	0	0	3	0.2	3	0.2
06CLIFTY 248000 AEP 7TRIMBLE 324114 LKE	338	243208-243209 05JEFRSO -05ROCKPT 1	AEP	LKE	0	0	63	7.21	63	7.21
8VOLUNTEER 360097 TVAZ 8PHIPPS B NP360102 TVAZ	338	243208-243209 05JEFRSO -05ROCKPT 1	TVAZ	TVAZ	3	-2.02	0	0	3	2.02
7DAVIESS 324104 LKE 7COLEMAN 340563 BREC	338	243208-243209 05JEFRSO -05ROCKPT 1	LKE	BREC	0	0	4	0.07	4	0.07
5HNB1 1 344697 AMMO 5PALMYRA 345437 AMMO	346	345230-345992 7MONTGMRY -7SPENCER 1	AMMO	AMMO	0	0	13	1.46	13	1.46
5CYRENE 300595 AECIZ 5PIKE S 345498 AMMO	346	345230-345992 7MONTGMRY -7SPENCER 1	AECIZ	AMMO	0	0	3	2.62	3	2.62
5THMHIL 300120 AECIZ 5ADAIR1 344004 AMMO	346	345230-345992 7MONTGMRY -7SPENCER 1	AECIZ	AMMO	8	-0.16	0	0	8	0.16
7NEOGA 347821 AMIL 7HOLLAND 348491 AMIL	347	346895-347945 7COFFEEN -7PANA 1	AMIL	AMIL	0	0	141	1.11	141	1.11
4MIDWAY E 348730 AMIL 4SCHRAMCY TP348788 AMIL	347	346895-347945 7COFFEEN -7PANA 1	AMIL	AMIL	4	-0.2	0	0	4	0.2
5FREDTN 300079 AECIZ 5FREDTOWN 344586 AMMO	348	344974-345773 7LUTESVIL -7ST FRANC 1	AECIZ	AMMO	0	0	5	0.29	5	0.29
7COFFEEN 346895 AMIL 7PANA 347945 AMIL	349	347821-348491 7NEOGA -7HOLLAND 1	AMIL	AMIL	6	-0.01	0	0	6	0.01
5MORILTON.E!337921 EES-ARK 5GLEASON 337927 EES-ARK	352	337922-337937 8P.HILL% -8MAYFLOWER% 1	EES-ARK	EES-ARK	150	-18.32	0	0	150	18.32
7NEOGA 347821 AMIL 7HOLLAND 348491 AMIL	353	346809-347830 7CASEY -7NEWTON 1	AMIL	AMIL	0	0	3	0.44	3	0.44
05FALL C 243292 AEP 08NEWCAS 249810 DUK-IN	359	243222-243292 05FALL C 2	AEP	DUK-IN	489	-34.28	0	0	489	34.28
		345088-345230 7MCCREDIE -7MONTGMRY 1; 345088-								
5GUTHRIE 344677 AMMO 5MONTGMRY 345231 AMMO	362	345408 7MCCREDIE -7OVERTON 1	AMMO	AMMO	0	0	2	1.35	2	1.35
		345088-345230 7MCCREDIE -7MONTGMRY 1; 345088-								
5MONTCT 300099 AECIZ 5WLMSBG 300523 AECIZ	362	345408 7MCCREDIE -7OVERTON 1	AECIZ	AECIZ	0	0	107	2.38	107	2.38
BYRON 5 613070 SMP GRE-PL VLLY5615307 GRE	376	613060-615306 BYRON 3 -GRE-PL VLLY31	SMP	GRE	0	0	19	1.48	19	1.48
KELLOGG5 635221 MEC LEEDS 5 635226 MEC	384	635200-652564 RAUN 3 -SIOUXCY3 1	MEC	MEC	1	0	0	0	1	0
POWESHK5 631113 ALTW REASNOR5 631117 ALTW	387	635680-635730 BONDRNT3 -MNTZUMA3 1	ALTW	ALTW	0	0	18	0.41	18	0.41
RAUN 3 635200 MEC HIGHLND 3 635400 MEC	388	631138-635368 LAKEFLD3 -OBRIEN 3 1	MEC	MEC	0	0	2	0.07	2	0.07
GARDEN PL; 271543 COMED ESS H71 ;BT272512 COMED	389	270864-631141 QUAD 1 3-11 -ROCK CK3 1	COMED	COMED	0	0	4	7.37	4	7.37

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
WABACO 5 681532 DPC ROCHSTR5 681537 DPC	393	601014-601028 AS KING3 -EAU CL 3 1	DPC	DPC	0	0	12	0.14	12	0.14
PT BCH3 699211 WEC KEWAUNEE 699630 WPS	397	694022-699359 FOXRIVER B1 -N APPLETON 1	WEC	WPS	21	-0.16	0	0	21	0.16
QUAD 1 3-11 270864 COMED ROCK CK3 631141 ALTW	414	270866-636610 QUAD 6-7 -SUB 91 3 1 694072-699669 SFL 345 B4 -FTZGERLD 1; 699359-699669 N	COMED	ALTW	36	-1.62	0	0	36	1.62
NFL 138 699175 ALTE AVIATION 699677 WPS	415	APPLETON -FTZGERLD 1	ALTE	WPS	38	-4.02	0	0	38	4.02
BLUMND6 698865 WEC BUTLER 699268 WEC	422	699253-699329 ARCADN1 -GRANVL1 1	WEC	WEC	0	0	3	4.74	3	4.74
ACEC BADGERW698840 ALTE PETENWEL 699808 WPS	430	601028-694003 EAU CL 3 -ARPIN B4 1	ALTE	WPS	0	0	121	6.19	121	6.19
7RUSH 1 345667 AMMO 7RUSH 2 345668 AMMO	439	346992-360002 7E W FKFT -7SHAWNEE FP 1	AMMO	AMMO	2	-0.01	0	0	2	0.01
5RENSHAW 350218 SIPC 5MARIONCT 350225 SIPC	439	346992-360002 7E W FKFT -7SHAWNEE FP 1	SIPC	SIPC	0	0	23	0.75	23	0.75
07RATTAP 248428 HE 16PETE 254638 IPL	453	248773-248792 07MEROM5 -07WORTHN 1	HE	IPL	0	0	60	4.13	60	4.13
3ELLIOTT+ 337062 EES-MS 3S.GRENADA! 337063 EES-MS	457	337009-337010 8MCADAMS% -8WOLFCREEK% 1	EES-MS	EES-MS	0	0	23	2.73	23	2.73
08FAIRVW 249723 DUK-IN 4GHENT 324253 LKE	460	249501-324105 08BATESV -7GHENT 1	DUK-IN	LKE	0	0	5	4.6	5	4.6
BONDRNT3 635680 MEC MNTZUMA3 635730 MEC	510	631142-631148 ARNOLD 3 -MORGANV3 1	MEC	MEC	6	-0.07	0	0	6	0.07
NIW 5 631036 ALTW COLBY5 631202 ALTW	513	631139-631144 HAZLTON3 -MITCHLCO3 1	ALTW	ALTW	8	-0.17	0	0	8	0.17
17DUNE_ACRE 255126 NIPS 17MICH_CITY 255153 NIPS	538	255126-255153 17DUNE_ACRE -17MICH_CITY 1	NIPS	NIPS	0	0	2	0.23	2	0.23
19STCPP 264656 DECO 19STCPP 264830 DECO	550	160050-264656 LAMBTON_L4D -19STCPP 1	DECO	DECO	14	0	539	0	553	0
19BUNCE1 264536 DECO 19FITZ 265228 DECO	550	160050-264656 LAMBTON_L4D -19STCPP 1	DECO	DECO	1	0	381	0	382	0
GRANVL 4 699331 WEC TOSA-W 699492 WEC	553	699268-699327 BUTLER -GRANVL 5 1	WEC	WEC	2	-1.79	0	0	2	1.79
CEDRSALK 4 694007 WEC EDG BUS2 694009 ALTE	557	698870-699865 GRANVL2 -SEC 1	WEC	ALTE	0	0	5	0.58	5	0.58
ELKHT L 699299 WEC FOREST J 699533 WEC	557	698870-699865 GRANVL2 -SEC 1	WEC	WEC	0	0	6	1.65	6	1.65
AVOCA 5 504000 SPP-C EROGERS5 506931 SPP-C	561	506935-549984 FLINTCR7 -BROOKLINE 71	SPP-C	SPP-C	0	0	65	3.65	65	3.65
BEAVER 5 505480 SPP-C EUREKA 5 506932 SPP-C	561	506935-549984 FLINTCR7 -BROOKLINE 71	SPP-C	SPP-C	23	-0.97	0	0	23	0.97
CARTHAG5 505488 SPP-C LAR382 5 547479 EDE	561	506935-549984 FLINTCR7 -BROOKLINE 71	SPP-C	EDE	7	-0.14	0	0	7	0.14
SPRGFLD5 505492 SPP-C LAR382 5 547479 EDE	561	506935-549984 FLINTCR7 -BROOKLINE 71	SPP-C	EDE	0	0	1	0.06	1	0.06
3COUCH% 337502 EES-ARK 3LEWISVILLE#338874 EES-ARK	581	337376-508809 7SAREPTA% -LONGWD 7 1	EES-ARK	EES-ARK	11	-13.22	0	0	11	13.22
3PATMOS.W# 338875 EES-ARK FULTON 3 503912 SPP-C	581	337376-508809 7SAREPTA% -LONGWD 7 1	EES-ARK	SPP-C	0	0	2	0.02	2	0.02
3AMITY+ 337674 EES-ARK 3MURFBORO.E#338849 EES-ARK	581	337376-508809 7SAREPTA% -LONGWD 7 1	EES-ARK	EES-ARK	49	-92.43	0	0	49	92.43
TAHLQH 5 512655 SPP-C HWY59 5 515347 SPP-C	590	515224-515302 MUSKOGEE7 -FTSMITH7 1	SPP-C	SPP-C	22	-1.16	0	0	22	1.16
LONEOAK4 510897 SPP-C ENOWILT4 510944 SPP-C	592	510907-510911 PITTSB-7 -VALIANT7 1	SPP-C	SPP-C	101	-37.13	0	0	101	37.13
TUPELO 4 505600 SPP-C TUPLOTP4 521071 SPP-C	592	510907-510911 PITTSB-7 -VALIANT7 1	SPP-C	SPP-C	0	0	543	66.96	543	66.96
MIDWEST4 514946 SPP-C FRNKLNS4 520917 SPP-C	596	521026-521084 PHAROAH4 -WETUMKA4 1	SPP-C	SPP-C	43	-35.79	0	0	43	35.79
RAUN 5 635201 MEC TEKAMAH5 640377 NPPD	599	635200-645451 RAUN 3 -S3451 3 1	MEC	NPPD	3	-0.49	0	0	3	0.49
MIDLTNT4 514804 SPP-C PECKHMT4 515381 SPP-C	608	515543-532798 RENFROW7 -VIOLA 7 1	SPP-C	SPP-C	0	0	2	0.04	2	0.04
FIXCT4 510877 SPP-C WELETK4 510902 SPP-C	610	510907-515422 PITTSB-7 -C-RIVER7 1	SPP-C	SPP-C	0	0	7	15.67	7	15.67
S3456 3 645456 OPPD S3458 3 645458 OPPD	625	645455-645740 S3455 3 -S3740 3 1	OPPD	OPPD	0	0	94	4.88	94	4.88
3ALTO_LA 337331 EES-LA 3SWARTZ! 337390 EES-LA	632	336830-337427 8BXTRWILSON%-8PERRYVILLE%1	EES-LA	EES-LA	0	0	7	0.42	7	0.42
3CARSON 337450 EES-LA 3DELHI_RX 337453 EES-LA	632	336830-337427 8BXTRWILSON%-8PERRYVILLE%1 380003-380011 8NORCROSS -8S HALL 1; 381341-383000	EES-LA	EES-LA	226	-59.34	0	0	226	59.34
6RUSSEL 339100 SE 6LEXINGTON 380104 SE	636	6NANCY HART -6HW ENERGY 1	SE	SE	12	-0.24	0	0	12	0.24
6SR52 371308 NC-SC 6VOGTLE 380115 SE	640	380003-380011 8NORCROSS -8S HALL 1	NC-SC	SE	0	0	4	0.84	4	0.84
3PISGAH 304750 NC-SC PISGAH 306190 NC-SC	646	304750-306190 3PISGAH -PISGAH 1	NC-SC	NC-SC	0	0	10	19.34	10	19.34
6NEWPORT 306333 NC-SC 6VCS1_2 371112 NC-SC	648	312716-312727 6NEWBER -6GWD CO 1	NC-SC	NC-SC	0	0	1396	107.79	1396	107.79
HIGH RCK 339003 NC-SC TUCKERTN 339005 NC-SC	649	306850-306848 8PL GRDN -6PL GRDN 5	NC-SC	NC-SC	0	0	120	35.79	120	35.79

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
6SUMTER230 T304700 NC-SC 6WATEREE1 370101 NC-SC	663	304677-312714 6KINGSTR230T-6KNGSTRE 1	NC-SC	NC-SC	0	0	1	0.01	1	0.01
5KNOX TN 360458 TVAZ 5DOUGLAS HP 360465 TVAZ	668	360097-360102 8VOLUNTEER -8PHIPPS B NP1	TVAZ	TVAZ	2	-4.82	0	0	2	4.82
5BRTAP 340624 BREC 5PARADISE FP360043 TVAZ	668	360097-360102 8VOLUNTEER -8PHIPPS B NP1	BREC	TVAZ	0	0	153	3.07	153	3.07
8OCONEE 306008 NC-SC 8S HALL 380011 SE	670	380021-382499 8MOSTELLER -8CONASAUGA 1	NC-SC	SE	64	-0.36	0	0	64	0.36
5ROBBINS 308485 NC-SC 5SANTEETLAH 375031 TVAZ	670	380021-382499 8MOSTELLER -8CONASAUGA 1	NC-SC	TVAZ	0	0	1	0.06	1	0.06
5ALBERTVILLE360283 TVAZ 5ATTALLA5 384332 SE	670	380021-382499 8MOSTELLER -8CONASAUGA 1	TVAZ	SE	3	-0.45	0	0	3	0.45
8VOLUNTEER 360097 TVAZ 8PHIPPS B NP360102 TVAZ	670	380021-382499 8MOSTELLER -8CONASAUGA 1	TVAZ	TVAZ	2	-0.69	0	0	2	0.69
17GOODLAND 255129 NIPS 17GOODLAND 255319 NIPS	681	255129-255173 17GOODLAND -17REYNOLDS 1; 255129-255319 17GOODLAND -17GOODLAND 2	NIPS	NIPS	834	-23.23	0	0	834	23.23
16GUION 254523 IPL 16GUION 254601 IPL	697	254523-254601 16GUION -16GUION S; 254523-254532 16GUION -16ROCKVL 0	IPL	IPL	81	-2.14	0	0	81	2.14
TRIBOJI J1 8630023 ALTW WAHPETN8 630474 ALTW	713	631183-656570 CAYLER5 -WISDOM5 1	ALTW	ALTW	46	-7.56	0	0	46	7.56
LAKEFLD L1 5631041 ALTW DKSN_CO5 631124 ALTW	713	631183-656570 CAYLER5 -WISDOM5 1	ALTW	ALTW	0	0	6	0.12	6	0.12
BRAIDWOOD; B270670 COMED E FRANKFO; B270728 COMED	721	270670-270671 BRAIDWOOD; B-BRAIDWOOD; RZ; 270670-270710 BRAIDWOOD; B-DAVIS CRK; B1; 270710-275174 DAVIS CRK; B-DAVIS CRK; 3M1	COMED	COMED	4	-0.11	0	0	4	0.11
4LTV STL NTP348919 AMIL 4PRINCETN TP348921 AMIL	727	271838-348923 KEWANEE ;13-4KEWANEE N Z	AMIL	AMIL	0	0	1311	97.76	1311	97.76
4KEWANEE STP348924 AMIL 4KEWANEE S 348974 AMIL	727	271838-348923 KEWANEE ;13-4KEWANEE N Z	AMIL	AMIL	0	0	24	0.88	24	0.88
LORETTO ; B270704 COMED WILTON ; B270926 COMED	728	270717-270853 DRESDEN ; R-PONTIAC ; R1; 275210-272261 PONTIAC ;2M-PONTIAC ; R1; 275310-275210 PONTIAC ;2C-PONTIAC ;2M1	COMED	COMED	76	-2.9	0	0	76	2.9
MAZON ; R271987 COMED OGLESBY ; T272189 COMED	729	271844-271908 KICKAPOO ; B-LASCO STA; B1	COMED	COMED	0	0	159	23.49	159	23.49
BONDRNT3 635680 MEC MNTZUMA3 635730 MEC	730	631139-636199 HAZLTON3 -BLACKHAWK 3 1	MEC	MEC	1	-0.01	0	0	1	0.01
WABACO 5 681532 DPC ROCHSTR5 681537 DPC	731	601039-601044 NROC 3 -BRIGGS RD 3 1	DPC	DPC	0	0	978	75.23	978	75.23
5MATANZAS 324173 LKE 5WLSNBR 340553 BREC	734	324144-340553 5GR RVR -5WLSNBR 1	LKE	BREC	0	0	879	57.71	879	57.71
LIBERTY5 631100 ALTW DUNDEE 5 631101 ALTW	735	631139-631191 HAZLTON3 -HCKRYCK3 1	ALTW	ALTW	0	0	1	0.01	1	0.01
CHERRY VA; B271192 COMED CHERRY VA; 2M275166 COMED	738	270918-275231 WEMPLETOW; B-WEMPLETOW; 4M1	COMED	COMED	0	0	3	3.52	3	3.52
TOLLWAY ; B 270900 COMED TOLLWAY ; 3M275225 COMED	739	272486-272740 S ELGIN ;BT-WAYNE ; B1	COMED	COMED	185	-2.59	0	0	185	2.59
TOLLWAY ; B 270900 COMED TOLLWAY ; 3M275225 COMED	740	272487-272741 S ELGIN ;RT-WAYNE ; R1	COMED	COMED	64	-0.45	0	0	64	0.45
17AETNA 255115 NIPS 17LK_GEORGE 255149 NIPS	743	255149-255155 17LK_GEORGE -17MILLER 1	NIPS	NIPS	0	0	33	1.4	33	1.4
5RUSSELVL.S 337904 EES-ARK DARDANE5 505508 SPP-C	745	337909-515305 8ANO% -FTSMITH8 1	EES-ARK	SPP-C	5	-0.64	0	0	5	0.64
5RUSSELVL.E!337905 EES-ARK 5RUSSELVL.N 337906 EES-ARK	745	337909-515305 8ANO% -FTSMITH8 1	EES-ARK	EES-ARK	0	0	13	1.28	13	1.28
3CHEETAH% 337705 EES-ARK 3HS VILLAGE 337707 EES-ARK	745	337909-515305 8ANO% -FTSMITH8 1	EES-ARK	EES-ARK	7	-5.87	0	0	7	5.87
3AMITY+ 337674 EES-ARK 3MURFBORO.E#338849 EES-ARK	745	337909-515305 8ANO% -FTSMITH8 1	EES-ARK	EES-ARK	3	-4.05	0	0	3	4.05
DARDANE5 505508 SPP-C CLARKSV5 505514 SPP-C	745	337909-515305 8ANO% -FTSMITH8 1	SPP-C	SPP-C	37	-50.26	0	0	37	50.26
4CHAMPAGNE! 335455 EES-LA PLAISAN4 500720 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	EES-LA	CLEC	0	0	111	4.47	111	4.47
COUGH 4 500230 CLEC MANUEL 4 500540 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	CLEC	CLEC	105	-3.01	0	0	105	3.01
COUGH 4 500230 CLEC PLAISAN4 500720 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	CLEC	CLEC	18	-0.92	0	0	18	0.92

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3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	747	500190-500880 COCODR 6 -VILPLT 6 1	EES-LA	EES-LA	49	-0.1	0	0	49	0.1
4RICHARD% 335366 LAGN EUNICE 4 500300 CLEC	747	500190-500880 COCODR 6 -VILPLT 6 1	LAGN	CLEC	0	0	132	2.06	132	2.06
6BOGALUS! 336136 EES-LA BARKERS 6 500025 CLEC	749	335836-336562 8MCKNIGHT% -8FRANKLIN% 1	EES-LA	CLEC	22	-0.84	0	0	22	0.84
8BOGALUS 336130 EES-LA 6ADMSCRK% 336131 EES-LA	749	335836-336562 8MCKNIGHT% -8FRANKLIN% 1	EES-LA	EES-LA	193	-4.13	0	0	193	4.13
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	749	335836-336562 8MCKNIGHT% -8FRANKLIN% 1	EES-LA	EES-LA	0	0	73	0.76	73	0.76
8VISTA 4 500060 CLEC ELPTAP 4 500290 CLEC	750	335368-335500 8WELLS% -8WEBRE% 1	CLEC	CLEC	11	-0.14	0	0	11	0.14
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	750	335368-335500 8WELLS% -8WEBRE% 1	EES-LA	EES-LA	0	0	178	2.76	178	2.76
3TRUSSEL_CR 303310 LAGN 3REESE 337380 EES-LA	751	337561-337562 8EL DORADO% -7EL DORADO 1	LAGN	EES-LA	55	-62.19	0	0	55	62.19
5HORN LAKE% 337181 EES-MS 5ALLEN FP 360174 TVAZ	752	360023- 98868 8FREEPORT TN-YBUS1130 1	EES-MS	TVAZ	1265	-217.07	0	0	1265	217.07
4BAYOU_COVE%303014 LAGN 4HEBERT 335365 LAGN	754	335192-335367 8NELSON% -8RICHARD% 1	LAGN	LAGN	88	-4.06	0	0	88	4.06
COOPER 4 500220 CLEC LEESV 4 500480 CLEC	754	335192-335367 8NELSON% -8RICHARD% 1	CLEC	CLEC	0	0	1	0	1	0
8KEO% 337957 EES-ARK 8W.MEMPHIS% 338162 EES-ARK	767	338187-338188 8DELL% -8SANS SOUCI%1	EES-ARK	EES-ARK	1	-0.01	0	0	1	0.01
3HS EHV-E! 337740 EES-ARK 8HS EHV% 337753 EES-ARK	778	337753-337685 8HS EHV% -3HS EHV-W! 1	EES-ARK	EES-ARK	0	0	1	0	1	0
5STEELE! 338194 EES-ARK 5BLYTHVL.N#%338804 EES-ARK	790	301406-338187 8WNEWMADRID -8DELL% 1	EES-ARK	EES-ARK	1	-0.02	0	0	1	0.02
3STANDARD! 337340 EES-LA 3WINNFIELD! 337343 EES-LA	793	337420-337561 8STERLING% -8EL DORADO% 1	EES-LA	EES-LA	0	0	188	5.13	188	5.13
3REED% 337600 EES-ARK 3DUMAS% 337602 EES-ARK	793	337420-337561 8STERLING% -8EL DORADO% 1	EES-ARK	EES-ARK	0	0	18	1.81	18	1.81
3HS EHV-E! 337740 EES-ARK 3BUTTERFIELD337741 EES-ARK	795	337643-337763 8SHERIDAN% -8MAGNETCOVE%1	EES-ARK	EES-ARK	9	-11.01	0	0	9	11.01
3CHEETAH% 337705 EES-ARK 3HS VILLAGE 337707 EES-ARK	795	337643-337763 8SHERIDAN% -8MAGNETCOVE%1	EES-ARK	EES-ARK	1	-0.8	0	0	1	0.8
3AMITY+ 337674 EES-ARK 3MURFBORO.E#338849 EES-ARK	795	337643-337763 8SHERIDAN% -8MAGNETCOVE%1	EES-ARK	EES-ARK	8	-33.14	0	0	8	33.14
6CANTON 336866 EES-MS 6PICKENS! 337015 EES-MS	800	336945-337009 8LAKEOVER% -8MCADAMS% 1	EES-MS	EES-MS	0	0	136	6.87	136	6.87
6ADDIS% 335536 EES-LA 6TIGER! 335665 EES-LA	807	335537-335565 6DOW_METER% -6AIR_LQ_TP 2	EES-LA	EES-LA	9	-1.54	0	0	9	1.54
3BEAVER_CRK!337310 EES-LA BC PST 4 500070 CLEC	817	337343-337341 3WINNFIELD! -6WINNFIELD! 1	EES-LA	CLEC	0	0	23	0.03	23	0.03
8DELL% 338187 EES-ARK 8SANS SOUCI%338188 EES-ARK	828	338162-360075 8W.MEMPHIS% -8BHAM STEEL 1	EES-ARK	EES-ARK	2	-0.01	0	0	2	0.01
8SANS SOUCI%338188 EES-ARK 8DRIVER% 338198 EES-ARK	828	338162-360075 8W.MEMPHIS% -8BHAM STEEL 1	EES-ARK	EES-ARK	207	-1.46	0	0	207	1.46
6CHISHOLM% 334429 EES-TX 6SABINE% 334434 EES-TX	841	334325-335188 8HARTBRG% -8RHODES% 1	EES-TX	EES-TX	495	-9.26	0	0	495	9.26
3COUCH% 337502 EES-ARK 3MCNEIL 337516 EES-ARK	850	337664-337685 3FRNDSHIP AR-3HS EHV-W! 1	EES-ARK	EES-ARK	0	0	21	39.9	21	39.9
3NATCHEZSES%336500 EES-MS 3RED_GUM! 337327 EES-LA	854	337319-337320 3S_FERDAY_TP-3PLANTATION!1	EES-MS	EES-LA	9	-2.33	0	0	9	2.33
6CROSSROADS!337100 EES-MS 3CLARKMUN 500164 CLEC	867	337100-337107 6CROSSROADS!-6MOONLAKE% 1	EES-MS	CLEC	38	-1.64	0	0	38	1.64
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	871	337304-500200 6MONTGOMERY!-COLFAX 6 1	EES-LA	EES-LA	25	-0.03	32	0.4	57	0.43
8MABELVALE% 337808 EES-ARK 8WRIGHTSVLE%337860 EES-ARK	880	337651-337957 8WHT BLUFF% -8KEO% 1	EES-ARK	EES-ARK	2	0	0	0	2	0

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5HARRISON.EI338104 EES-ARK 5SUMMIT 338121 EES-ARK	893	338108-338110 5ST JOE -5HILLTOP% 1	EES-ARK	EES-ARK	0	0	2	0.92	2	0.92
3NATCHEZSES%336500 EES-MS 3RED_GUM! 337327 EES-LA	897	337320-337321 3PLANTATION!-3VIDALIA_LA 1	EES-MS	EES-LA	0	0	1376	108.98	1376	108.98
3S_FERDAY_TP337319 EES-LA 3PLANTATION!337320 EES-LA	897	337320-337321 3PLANTATION!-3VIDALIA_LA 1	EES-LA	EES-LA	0	0	590	48.22	590	48.22
8FRANKLIN% 336562 EES-MS 8R.BRASWELL%336839 EES-MS	913	336562-336820 8FRANKLIN% -8GGNS% 1	EES-MS	EES-MS	0	0	65	1.1	65	1.1
3MENDENHALL 336762 EES-MS 3STAR 336763 EES-MS	916	360654-360688 8CHOCTAW MS -8CLAY 1	EES-MS	EES-MS	0	0	254	10.97	254	10.97
3GREENWOOD+ 337023 EES-MS 3GREENWOOD! 337054 EES-MS	916	360654-360688 8CHOCTAW MS -8CLAY 1	EES-MS	EES-MS	31	-35.85	0	0	31	35.85
5BATESVILLE 360214 TVAZ 5TALLHACH IP361402 TVAZ	916	360654-360688 8CHOCTAW MS -8CLAY 1	TVAZ	TVAZ	114	-19.18	0	0	114	19.18
4SPLENDRI 334118 EES-TX 4JACINTO% 334208 EES-TX	946	334203-334204 6CHPTSR1 -6CHINA% 1	EES-TX	EES-TX	0	0	2	0.44	2	0.44
3BEAVER_CRK!337310 EES-LA 3JENA 337312 EES-LA	959	500200-500770 COLFAX 6 -RODEMRS 6 1	EES-LA	EES-LA	7	-0.07	0	0	7	0.07
ELEESV 6 500280 CLEC 6 500770 CLEC	959	500200-500770 COLFAX 6 -RODEMRS 6 1	CLEC	CLEC	0	0	66	4.57	66	4.57
6LAKEOVER% 336848 EES-MS 6REX BROWN! 336855 EES-MS	961	336848-336855 6LAKEOVER% -6REX BROWN! 2	EES-MS	EES-MS	15	-1.79	0	0	15	1.79
5BATESVL 318301 SMEPA 5BATESVILLE 360214 TVAZ	978	318301-360214 5BATESVL -5BATESVILLE 2	SMEPA	TVAZ	254	-4.79	0	0	254	4.79
YBUS1130 98868 TVAZ 8FREEPORT TN360023 TVA	981	360023-360025 8FREEPORT TN-8CORDOVA TN 1	TVAZ	TVA	0	0	138	2.94	138	2.94
4MARIES 345024 AMMO 5OLDMARS 300053 AECIZ	987	300057-344532 5BARNET -5ELDON 1	AMMO	AECIZ	0	0	1	0.17	1	0.17
3LYNCH-W! 337949 EES-ARK 3NLR GALLOWY338489 EES-ARK	1004	337957-338162 8KEO% -8W.MEMPHIS% 1	EES-ARK	EES-ARK	2	-13.04	0	0	2	13.04
5SEQUOYAH NP360082 TVAZ 5CONCORD TN 360413 TVAZ	1007	360081-360662 8SEQUOYAH NP-8BRADLEY TN 1	TVAZ	TVAZ	119	-12.14	0	0	119	12.14
5CLAY 360689 TVAZ 5ABERD MS TP361121 TVAZ	1013	360035-360688 8WEST POINT -8CLAY Z	TVAZ	TVAZ	203	-12.67	0	0	203	12.67
3ARCADIA 337367 EES-LA 3REESE 337380 EES-LA	1019	337376-337562 7SAREPTA% -7EL DORADO 1	EES-LA	EES-LA	0	0	10	25.68	10	25.68
MARYVLE5 541251 MPS 5CLRND 5 635034 MEC	1025	300097-652560 5MARYVL -CRESTONS 1	MPS	MEC	2	-0.03	0	0	2	0.03
YBUS1417 98581 SPP-C 5AFTON 5 512632 GRDA	1037	512631-512632 MIAMI 5 -AFTON 5 1	SPP-C	GRDA	0	0	10	11.41	10	11.41
OGALALA4 640302 NPPD 5SIDNEY 4 659134 BEPC	1041	640252-659425 KEYSTON3 -SIDNEY1-LNX31	NPPD	BEPC	0	0	1	0	1	0
3MAGEE! 336760 EES-MS 3COLLINS 388280 SE	1047	388270-388310 6HATBG SW6 -6PURVIS B1 1	EES-MS	SE	1	-0.05	0	0	1	0.05
7OVERTON 345408 AMMO 5OVERTON 345409 AMMO	1056	345088-345408 7MCCREDIE -7OVERTON 1	AMMO	AMMO	96	-2.9	0	0	96	2.9
5THMHIL 300120 AECIZ 5ADAIR1 344004 AMMO	1058	345435-345992 7MAYWOOD -7SPENCER 1	AECIZ	AMMO	31	-2.48	0	0	31	2.48
5MOBTAP 300126 AECIZ 5MOBERLY 345221 AMMO	1063	300120-543062 5THMHIL -SALSBRYS 1	AECIZ	AMMO	12	-5.18	0	0	12	5.18
5COFFMN 300072 AECIZ 5HUBEN 300088 AECIZ	1065	300041-300042 7FRANKS -7HUBEN 1	AECIZ	AECIZ	2	-1.59	0	0	2	1.59
6N SELMA6 384489 SE 6HARRIS SS 385500 SE	1070	384375-384374 8S.BESS 8 -6S.BESS 6 1	SE	SE	0	0	44	1.64	44	1.64
LAMBTON_L4D 160050 IESO 19STCPP 264656 DECO	1077	160065-264830 LAMBTON_L51D-19STCPP 1	IESO	DECO	1156	0	74	0	1230	0
MOSES E 147839 NY ST_LAWR_L33P155072 IESO	1078	147839-155073 MOSES E -ST_LAWR_L34P1	NY	IESO	0	0	7061	8.38	7061	8.38
MOSES E 147839 NY ST_LAWR_L34P155073 IESO	1079	147839-155072 MOSES E -ST_LAWR_L33P1	NY	IESO	0	0	7244	11.1	7244	11.1
YBUS2578 97420 BEPC 5LELANDO3 659105 WAPA	1081	659105- 97421 LELANDO3 -YBUS2577 1	BEPC	WAPA	0	0	9	0	9	0
YBUS1353 98645 SPP-C 5CATSAGR5 512638 AEPW	1082	512638- 98646 CATSAGR5 -YBUS1352 1	SPP-C	AEPW	0	0	1281	183.55	1281	183.55
YBUS1489 98509 SPP-C 5SEMINOL7 515045 OKGE	1084	515045- 98510 SEMINOL7 -YBUS1488 1	SPP-C	OKGE	0	0	12	7.92	12	7.92
YBUS1409 98589 SPP-C 5SHAM 3WT 512107 AEPW	1092	511541-511557 7SEWETWT6 -CHISHOLM6 1	SPP-C	AEPW	0	0	39	4.4	39	4.4
02LALLENDORF241901 DECO 19MON12 264612 FE-ATSI	1099	238530-256583 02ALLEN -18MOROCCO 1; 264594-264613	DECO	FE-ATSI	0	0	13	0.2	13	0.2
19BAXTR 264519 DECO 19DIG 264562 DECO	1101	19LULU -19MON34 1	DECO	DECO	0	0	1136	0.25	1136	0.25
19DIG 264562 DECO 19DIGTP 264610 DECO	1101	264610-264616 19DIGTP -19NAVAR 1	DECO	DECO	48	0	0	0	48	0
3GW KING TAP304102 NC-SC 3KERR 314702 DOM	1103	264610-264616 19DIGTP -19NAVAR 1	NC-SC	DOM	0	0	8	1.04	8	1.04

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
GRE-STANTON4615901 GRE SQBUTTE4 657756 MPC	1117	615600-615001 GRE-COAL CR4-GRE-COAL 41G1	GRE	MPC	0	0	478	1.27	478	1.27
GRE-STANTON4615901 GRE SQBUTTE4 657756 MPC	1118	615600-615002 GRE-COAL CR4-GRE-COAL 42G1	GRE	MPC	0	0	261	1.01	261	1.01
CENTER 4 657751 MPC SQBUTTE4 657756 MPC	1119	620358-620369 BUFFALO3 -JAMESTN3 1	MPC	MPC	0	0	14	0.02	14	0.02
HANKSON4 620327 OTP WAHPETN4 620329 OTP	1119	620358-620369 BUFFALO3 -JAMESTN3 1	OTP	OTP	7	-1.2	0	0	7	1.2
BISMARCK4 652426 WAUE MOUNDCITY 4 652499 WAUE	1122	652806-659424 FTTHOM1-LNX3-LELAND2-LNX31	WAUE	WAUE	0	0	8	0.04	8	0.04
TUCO_INT 6525830 SPP-C JONES 6526337 SPP-C	1129	525830-526161 TUCO_INT 6-CARLISLE 61	SPP-C	SPP-C	3	0	0	0	3	0
NEOSHO 5 532937 WR RIV4525 547469 EDE	1130	532932-547476 LITCH 5 -ASB349 5 1	WR	EDE	3	-0.08	3	0.33	6	0.41
YBUS1626 98372 SPP-C POTTER_CO 6523959 SPS	1132	523097- 98399 HITCHLAND 7-YBUS1599 2	SPP-C	SPS	33	-3.98	0	0	33	3.98
TWIN CH4 640386 NPPD SIOUXCY4 652565 WAUE	1133	635200-640226 RAUN 3 -HOSKINS3 1	NPPD	WAUE	0	0	52	14.01	52	14.01
CMRIVTP3 539652 SECI E-LIBER3 539672 SECI	1135	539640-539777 HAYNE3 -NLBTAP-3B 1	SECI	SECI	3495	-0.83	0	0	3495	0.83
NEOSHO 7 532793 WR LACYGNE7 542981 KCPL	1136	532768-532796 EMPEC 7 -WICHITA7 1	WR	KCPL	0	0	1	0	1	0
YBUS1731 98267 SPP-C EDDY_NORTH 6527799 SPS	1137	527799-527800 EDDY_NORTH 6-EDDY_SOUTH 61	SPP-C	SPS	0	0	54	4.22	54	4.22
SPRGFLD5 505492 SPP-C CLAY 5549970 SPRM	1142	300042-300045 7HUBEN -7MORGAN 1	SPP-C	SPRM	44	-4.78	0	0	44	4.78
17GOODLAND 255129 NIPS 17REYNOLDS 255173 NIPS	1145	255319-255352 17GOODLAND -17REMINGTON 9	NIPS	NIPS	1183	-50.6	0	0	1183	50.6
17GOODLAND 255129 NIPS 17REYNOLDS 255173 NIPS	1147	348232-348458 4SHELDONS -4WATSEKA 1	NIPS	NIPS	1461	-59.37	0	0	1461	59.37
05DUMONT 243219 AEP 17STILLWELL 255113 NIPS	1159	243206-270644 05DUMONT -WILTON ; 1	AEP	NIPS	0	0	2	0.02	2	0.02
17ROXANA 255172 NIPS STATELINE; 8272502 COMED	1159	243206-270644 05DUMONT -WILTON ; 1	NIPS	COMED	0	0	8	0.02	8	0.02
7GOOS_CRK 348770 AMIL 7RISING 348882 AMIL	1159	243206-270644 05DUMONT -WILTON ; 1	AMIL	AMIL	2	-0.19	0	0	2	0.19
17STILLWELL 255113 NIPS 17STILLWELL 255180 NIPS	1172	243219-255113 05DUMONT -17STILLWELL 1	NIPS	NIPS	127	-3.35	0	0	127	3.35
HOOT LK7 620223 OTP FERGSFL7 658110 MRES	1175	602006- 97936 SHEYNNE4 -YBUS2062 6	OTP	MRES	117	-15.73	0	0	117	15.73
YBUS1965 98033 KCPL HAWTH 7 542972 KCPL	1184	542972- 98032 HAWTH 7 -YBUS1966 2	KCPL	KCPL	0	0	4	0.11	4	0.11
WABACO 5 681532 DPC ROCHSTR5 681537 DPC	1187	601028-694003 EAU CL 3 -ARPIN B4 1; 601014-601028 AS	DPC	DPC	0	0	3	0.05	3	0.05
4PAXTON E 347972 AMIL 4GIFFORD 348118 AMIL	1197	KING3 -EAU CL 3 1	AMIL	AMIL	4	-0.05	0	0	4	0.05
5MIDWY JRDN#338813 EES-ARK BULL SH5 505460 SPP-C	1199	255129-255159 17GOODLAND -17MORRISON 1	EES-ARK	SPP-C	0	0	474	46.52	474	46.52
3WOODWARD% 337620 EES-ARK 3ALTHEIMER+ 337962 EES-ARK	1207	504440-505460 BUFORD 5 -BULL SH5 1	EES-ARK	EES-ARK	20	-8.53	0	0	20	8.53
MINGO 7 531451 SECI REDWILO3 640325 NPPD	1221	337633-337968 6WOODWARD! -6RICUSKEY% 1	SECI	NPPD	10	-0.14	0	0	10	0.14
4CARLYSS! 335060 EES-LA 6CARLYSS% 335070 EES-LA	1222	530583-640065 POSTROCK7 -AXTELL 3 1	EES-LA	EES-LA	0	0	84	3.33	84	3.33
7JOPPA TS 347325 AMIL 5JOPPA TS 351003 AMMO	1225	335200-335190 4NELSON% -6NELSON% 1	AMIL	AMMO	11	-0.37	0	0	11	0.37
CBLUFFS5 635001 MEC S1206 5 646206 OPPD	1227	360001-360002 8SHAWNEE FP -7SHAWNEE FP 1	MEC	OPPD	57	-2.84	0	0	57	2.84
SHENDR 340560 BREC 4HENDR 340617 BREC	1242	635000-645456 CBLUFFS3 -S3456 3 1	BREC	BREC	0	0	32	0.6	32	0.6
3WINN_PRISON337342 EES-LA 3WINNFIELD! 337343 EES-LA	1271	253620-340562 10ABB345 -7REID 1	EES-LA	EES-LA	0	0	4	0.76	4	0.76
5LOY MARTIN 344040 AMMO 5GUTHRIE 344677 AMMO	1277	337304-500170 6MONTGOMERY!-CLARN 6 1	AMMO	AMMO	4	-0.07	1	0.64	5	0.71
DOLHILL7 500250 CLEC DOLHILL6 500260 CLEC	1284	345088-345230 7MCCREDIE -7MONTGMRY 1; 300044-	CLEC	CLEC	2	-0.04	0	0	2	0.04
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	1284	345088 7MCCRED -7MCCREDIE Z	EES-LA	EES-LA	0	0	1094	13.08	1094	13.08
3DODSON 337344 EES-LA 3DANVILLE LA!337345 EES-LA	1284	337368-509366 8MT_OLIVE% -LAYFLD8 1	EES-LA	EES-LA	0	0	302	26.57	302	26.57
3CABOT 338006 EES-ARK 3HOLND BTM! 338016 EES-ARK	1285	337368-509366 8MT_OLIVE% -LAYFLD8 1	EES-ARK	EES-ARK	0	0	2	0.45	2	0.45
5NEWMAD 300103 AECIZ 5TIPTONVL TN361261 TVAZ	1286	338144-338142 8ISES-XF -5ISES% 1; 338144-338142 8ISES-XF -5ISES% 2	AECIZ	TVAZ	13	-0.32	0	0	13	0.32

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
5MARKEDTREE1338165 EES-ARK 5HARRISBURG+338167 EES-ARK	1286	338188-338198 8SANS SOUCI%-8DRIVER% 1	EES-ARK	EES-ARK	0	0	83	4.13	83	4.13
5RIDGELY TN 360521 TVAZ 5TIPTONVL TN361261 TVAZ	1286	338188-338198 8SANS SOUCI%-8DRIVER% 1	TVAZ	TVAZ	0	0	29	2.73	29	2.73
5TIPTONVL TN361261 TVAZ 5POLK TP 361596 TVAZ	1286	338188-338198 8SANS SOUCI%-8DRIVER% 1	TVAZ	TVAZ	1	0	0	0	1	0
GR JCT 5 631074 ALTW DRAGER5 656283 CBPC	1296	635300-635330 MONONA 5 -CRWFRD 5 1	ALTW	CBPC	0	0	657	29.52	657	29.52
LKFLDXL3 601029 NSP LAKEFLD3 631138 ALTW	1310	601010-600005 MNTCELO3 -MNTCE31G 1	NSP	ALTW	0	0	47	0.57	47	0.57
4DIAMSTR TP1348745 AMIL 4MCLAN CO 348854 AMIL	1318	270853-348847 PONTIAC ; R-7BROKAW 1	AMIL	AMIL	9	-8.38	1	0.04	10	8.42
WILMART7 603002 NSP SWAN LK7 603003 NSP	1325	601004-601072 WILMART3 -SHEAS LK3 1	NSP	NSP	6	-1.18	0	0	6	1.18
GRE-TAMARAC7618203 GRE GRE-CORMRNT7618207 GRE	1326	602006- 97936 SHEYNN4 -YBUS2062 6; 602006-620336 SHEYNN4 -AUDUBON4 1	GRE	GRE	1	-0.02	0	0	1	0.02
HOOT LK7 620223 OTP EDGETAP7 620233 OTP	1326	602006- 97936 SHEYNN4 -YBUS2062 6; 602006-620336 SHEYNN4 -AUDUBON4 1	OTP	OTP	7	-2.57	0	0	7	2.57
HOOT LK7 620223 OTP FERGSFL7 658110 MRES	1326	602006- 97936 SHEYNN4 -YBUS2062 6; 602006-620336 SHEYNN4 -AUDUBON4 1	OTP	MRES	10	-1.69	0	0	10	1.69
YBUS2652 97346 WPS STONE LK B1 694075 WPS	1327	694107-699676 PERSHING -GARDR PK 1	WPS	WPS	0	0	1422	2.87	1422	2.87
HOLCOMB7 603150 NSP CORNELL 603224 NSP	1327	694107-699676 PERSHING -GARDR PK 1	NSP	NSP	0	0	118	0.9	118	0.9
HOLCOMB7 603150 NSP PERSHING 7 603281 NSP	1327	694107-699676 PERSHING -GARDR PK 1	NSP	NSP	2	-0.03	1	0	3	0.03
BLUEETA5 602003 NSP HUNTLEY5 631045 ALTW	1331	601004-601033 WILMART3 -FIELD_N3 1	NSP	ALTW	0	0	151	30.45	151	30.45
18TITBAW 256290 CONS 18REDSTONE 256542 CONS	1342	256066-256542 18REGAL -18REDSTONE 1	CONS	CONS	0	0	7	0.25	7	0.25
6NELSON% 335190 EES-LA 8NELSON% 335192 EES-LA	1379	335189-335066 8PATTON -6PATTON 1	EES-LA	EES-LA	0	0	6	0.04	6	0.04
6LAYFLD 500465 CLEC WKRAFT 6 500910 CLEC	1380	334325-509366 8HARTBRG% -LAYFLD8 1	CLEC	CLEC	42	-1.67	0	0	42	1.67
3JENA 337312 EES-LA 3STANDARD! 337340 EES-LA	1380	334325-509366 8HARTBRG% -LAYFLD8 1	EES-LA	EES-LA	0	0	76	1.14	76	1.14
COOPER 4 500220 CLEC LEESV 4 500480 CLEC	1380	334325-509366 8HARTBRG% -LAYFLD8 1	CLEC	CLEC	0	0	412	23.18	412	23.18
TENRUSK7 508585 SPP-C CROCKET7 509241 SPP-C	1380	334325-509366 8HARTBRG% -LAYFLD8 1	SPP-C	SPP-C	50	-1.22	0	0	50	1.22
4FORK CK 334281 EES-TX 4RAYBURN% 334282 EES-TX	1384	334028-509241 7GRIMES% -CROCKET7 1	EES-TX	EES-TX	0	0	23	3.63	23	3.63
DOLHILL7 500250 CLEC DOLHILL6 500260 CLEC	1384	334028-509241 7GRIMES% -CROCKET7 1	CLEC	CLEC	22	-0.14	0	0	22	0.14
TRK RIV5 631060 ALTW STONEMAN 681519 DPC	1386	631191-693863 HCKRYCK3 -EDEN 345 1	ALTW	DPC	6	-0.14	0	0	6	0.14
EEN 138 699034 ALTE WYV 138 699115 ALTE	1387	693863-699829 EDEN 345 -CARDINAL 1	ALTE	ALTE	5	-0.06	0	0	5	0.06
07NWTVL1 248435 HE 10NTVL16 253580 SIGE	1388	247851-340563 05ROCKPT -7COLEMAN 1	HE	SIGE	0	0	1	0.03	1	0.03
5BRTAP 340624 BREC 5PARADISE FP360043 TVAZ	1388	247851-340563 05ROCKPT -7COLEMAN 1	BREC	TVAZ	0	0	179	2.12	179	2.12
WILMART7 603002 NSP SWAN LK7 603003 NSP	1401	601050-601072 HELENA 3 -SHEAS LK3 1	NSP	NSP	2	-0.1	0	0	2	0.1
BLK DOG7 603061 NSP WILSON 7 603116 NSP	1402	603061-603204 BLK DOG7 -WILSON TAP7 3	NSP	NSP	107	-20.26	0	0	107	20.26
GRE-MCHENRY7615348 GRE OTP VOLTAIRE620283 OTP	1403	602052-615347 MAGIC CITY 4-GRE-MCHENRY41	GRE	OTP	4	0	0	0	4	0
ST LAKES 602017 NSP MINONG 5 608631 MP	1405	601001-601017 FORBES 2 -CHIS-N 2 1	NSP	MP	179	-0.02	0	0	179	0.02
16L TAP7 608718 MP COTTNTP7 608720 MP	1405	601001-601017 FORBES 2 -CHIS-N 2 1	MP	MP	478	-9.8	0	0	478	9.8
ARROWHD7 608673 MP GRE-BERGNT7618001 GRE	1405	601001-601017 FORBES 2 -CHIS-N 2 1	MP	GRE	3	-0.01	0	0	3	0.01
ARROWHD7 608673 MP GARY 7 608679 MP	1407	608676-608680 HIBBARD7 -WNTR ST7 1	MP	MP	407	-0.16	0	0	407	0.16
GR RPDS7 608740 MP GRE-POKEGNT7618009 GRE	1408	608612-608625 RIVERTN4 -BLCKBRY4 1	MP	GRE	54	-0.76	0	0	54	0.76
NIW 5 631036 ALTW COLBYS 631202 ALTW	1413	601002-631144 ADAMS 3 -MITCHLCO3 1	ALTW	ALTW	0	0	4	1.78	4	1.78
LAKEFLD3 631138 ALTW OBRIEN 3 635368 MEC	1415	631197-635369 LEDYARD3 -KOSSUTH 3 1	ALTW	MEC	0	0	2	0.01	2	0.01
LAWRENC7 603012 NSP SIOUXFL7 652524 BEPC	1419	602004-652523 SPLT RK4 -SIOUXFL4 1	NSP	BEPC	331	-22.73	0	0	331	22.73
05NEWCAR 243349 AEP 05BOSSERMAN 247489 AEP	1424	243353-247489 05OLIVE -05BOSSERMAN 1	AEP	AEP	29	-3.85	0	0	29	3.85
05OLIVE 243353 AEP 05BOSSERMAN 247489 AEP	1425	243349-243353 05NEWCAR -05OLIVE 1	AEP	AEP	151	-112.42	0	0	151	112.42
07HUBBL8 248831 HE 08BATESV 249691 DUK-IN	1432	243233-249567 05TANNER -08M.FORT 1	HE	DUK-IN	0	0	8	9.01	8	9.01
05TANNER 243233 AEP 06DEARB1 248001 AEP	1432	243233-249567 05TANNER -08M.FORT 1	AEP	AEP	2051	-122.95	0	0	2051	122.95

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
17GARY_AVE 255251 NIPS 17GARY_AVE 255252 NIPS	1439	255111-255251 17SHEFFIELD -17GARY_AVE 1	NIPS	NIPS	6	-17.58	0	0	6	17.58
6ANGIE 303222 LAGN 6ADMSCRK% 336131 EES-LA	1461	303223-336137 6FR_BRANCH -6SLIDEL! 1	LAGN	EES-LA	0	0	6	0.11	6	0.11
3BATESVILLE 361116 TVA Z YBUS1158 98840 TVA	1462	318308-337123 6BATESVL -6BATESVILLE! 1	TVAZ	TVA	0	0	1713	18.25	1713	18.25
7NEOGA 347821 AMIL 4NEOGA 347822 AMIL	1481	346809-347821 7CASEY -7NEOGA 1	AMIL	AMIL	114	-1.72	0	0	114	1.72
BISMARCK7 652427 WAUE ESTBMRK7 661029 BEPC	1495	657751-661053 CENTER 4 -MANDAN 4 1	WAUE	BEPC	5	-4.24	0	0	5	4.24
WABACO 5 681532 DPC ROCHSTR5 681537 DPC	1506	601043- 97949 BRIGGS RD 5 -YBUS2049 9	DPC	DPC	0	0	11	1.45	11	1.45
RUGBOTP7 620279 OTP RUGBY 7 652452 WAUE	1507	615903-620379 GRE-BALTA 4-RUGBY 4 1	OTP	WAUE	2468	-2.19	2363	1.75	4831	3.94
DEVILSE7 620265 MPC DEVIL J7 620267 OTP	1507	615903-620379 GRE-BALTA 4-RUGBY 4 1	MPC	OTP	3	0	0	0	3	0
M-TOWN 7 631004 ALTW BLRSTWN7 631013 ALTW	1508	631000-631083 ABBOTT 5 -TRAER 5 1	ALTW	ALTW	55	-4.95	0	0	55	4.95
TRAER 5 631083 ALTW DYSART 5 631086 ALTW	1513	631107-631186 JASPER 5 -LAUREL_5 1	ALTW	ALTW	2	-0.04	0	0	2	0.04
WAPELLO8 630048 ALTW ELDON 8 630408 ALTW	1514	631110-631111 WAPELLO5 -JEFF 5 1	ALTW	ALTW	9	-1.32	0	0	9	1.32
OSPNEY 7 603144 NSP PERSHING 7 603281 NSP	1527	694076-694107 STONE LK B2 -PERSHING 1	NSP	NSP	0	0	58	0.84	58	0.84
08FVPTS2 249677 DUK-IN 16FVE_T 254591 IPL	1528	249506-249612 08COLMBU -08COLMBU 1	DUK-IN	IPL	0	0	15	0.29	15	0.29
19WTRMN 264690 DECO 19WTRMN4 264984 DECO	1530	264610-264690 19DIGTP -19WTRMN 1	DECO	DECO	1872	-0.2	0	0	1872	0.2
19CANIFP 264730 DECO 19CANIF 264538 DECO	1530	264610-264690 19DIGTP -19WTRMN 1	DECO	DECO	53	-0.03	0	0	53	0.03
6ADDIS% 335536 EES-LA 6TIGER! 335665 EES-LA	1533	336000-336001 6IBERVIL% -6EVGREN! 1	EES-LA	EES-LA	34	-2.7	0	0	34	2.7
WABACO 5 681532 DPC ROCHSTR5 681537 DPC	1536	601039-613060 NROC 3 -BYRON 3 1	DPC	DPC	0	0	5	0.03	5	0.03
SHEYNN7 603018 NSP MAPLTN 7 620203 OTP	1538	601067-620358 BISON 3 -BUFFALO3 1	NSP	OTP	0	0	50	1.08	50	1.08
RVT1BUS7 608657 MP GRE-MERRFLD7616701 GRE	1542	608610-608612 BADOURA4 -RIVERTN4 1	MP	GRE	14	-0.07	0	0	14	0.07
ARROWHWD7 608673 MP GRE-BERGNT7618001 GRE	1543	608614-608622 98L TAP4 -IRONRNG4 1	MP	GRE	1	-0.01	0	0	1	0.01
16L TAP7 608718 MP COTTNTP7 608720 MP	1543	608614-608622 98L TAP4 -IRONRNG4 1	MP	MP	231	-2.36	0	0	231	2.36
RUGBOTP7 620279 OTP RUGBY 7 652452 WAUE	1544	615335-615903 GRE-RAMSEY 4-GRE-BALTA 41	OTP	WAUE	65	-0.21	0	0	65	0.21
HENSEL 7 620257 OTP LANGDON7 657709 MPC	1545	615335-615907 GRE-RAMSEY 4-GRE-RMSYCB14Z	OTP	MPC	0	0	6	0	6	0
LANGDON7 657709 MPC SWEETWA7 657720 MPC	1545	615335-615907 GRE-RAMSEY 4-GRE-RMSYCB14Z	MPC	MPC	13	-0.05	1	0	14	0.05
ST LAKES 602017 NSP MINONG 5 608631 MP	1550	694078-699449 STONE LK B4 -ARROWHD 1	NSP	MP	230	-0.08	0	0	230	0.08
HIBBARD7 608676 MP WNTR S77 608680 MP	1550	694078-699449 STONE LK B4 -ARROWHD 1	MP	MP	3213	-8.7	0	0	3213	8.7
19BUNCE1 264536 DECO 19FITZ 265228 DECO	1554	264536-264947 19BUNCE1 -19BUNCE2 Z	DECO	DECO	211	0	1922	0.03	2133	0.03
19MOHIC1 264776 DECO 19STC2 264963 DECO	1554	264536-264947 19BUNCE1 -19BUNCE2 Z	DECO	DECO	48	0	0	0	48	0
19BRSTL1 264530 DECO 19FRISB 264561 DECO	1555	264538-264544 19CANIF -19CORTL 1	DECO	DECO	7	0	0	0	7	0
19RR1 264647 DECO 19MARON 264767 DECO	1556	264615-264747 19NAVAR -19I-N-RV 1	DECO	DECO	0	0	73	0.1	73	0.1
3TYLERTOWN! 336547 EES-MS 3SALEM MS+ 336574 SMEPA	1557	318440-318441 5SSLVCKTIE -5PRENTISS 1	EES-MS	SMEPA	0	0	13	3.85	13	3.85
3NEW HEBRON 336575 EES-MS 3SILVCRK S% 336580 EES-MS	1557	318440-318441 5SSLVCKTIE -5PRENTISS 1	EES-MS	EES-MS	0	0	15	4.86	15	4.86
4MARIES 345024 AMMO 5OLDMARS 300053 AECIZ	1559	344532-345402 5ELDON -5OSAGE 1	AMMO	AECIZ	3	-0.42	0	0	3	0.42
CLBRTSN7 659112 BEPC POPLAR 7 661075 BEPC	1561	652421-659262 WILISTN7 -CULBERTSN E71	BEPC	BEPC	2154	-27.7	0	0	2154	27.7
05RILEYC 243080 AEP 05YELLWC 247000 AEP	1563	239269-242993 02RICHLJ -05E.LPSC 1	AEP	AEP	0	0	1514	70.29	1514	70.29
05HOWARD 243024 AEP 05MELMOR 243039 AEP	1565	242984-243039 05CHATFL -05MELMOR 1	AEP	AEP	0	0	1	0	1	0
KEWANEE ;13271838 COMED 4KEWANEE N 348923 AMIL	1567	348923-348974 4KEWANEE N -4KEWANEE S Z	COMED	AMIL	0	0	2824	96.09	2824	96.09
BLRSTWN7 631013 ALTW PRAR CK7 631017 ALTW	1568	631001-631012 TOLEDO 5 -BL.PLN.5 1	ALTW	ALTW	207	-40.75	0	0	207	40.75
4JACKSNVL 347297 AMIL 4JACKSNVL IP348912 AMIL	1569	347688-347955 7MEREDOSIA -7AUSTIN 1	AMIL	AMIL	6	-1.51	0	0	6	1.51
4KEWANEE N 348923 AMIL 4KEWANEE S 348974 AMIL	1570	348944-349730 7SANDBURG -7FARGO 1	AMIL	AMIL	8	-0.77	0	0	8	0.77
4KEWANEE STP348924 AMIL 4SANDBURG 348972 AMIL	1570	348944-349730 7SANDBURG -7FARGO 1	AMIL	AMIL	2	-0.06	0	0	2	0.06
BIGSTON4 620314 OTP BROWNSV4 620325 OTP	1574	620362-620363 OAKES 4 -FORMAN 4 1	OTP	OTP	17	-3.41	0	0	17	3.41
BIGSTON4 620314 OTP BROWNSV4 620325 OTP	1575	620362-661098 OAKES 4 -ELLENDELMVP4 1	OTP	OTP	24	-9.31	0	0	24	9.31
WERNER W B2 694080 WEC N APPLETON 699359 WEC	1578	694033-699359 MORGAN B2 -N APPLETON 1	WEC	WEC	0	0	16	3.44	16	3.44

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
4N.HARD 340615 BREC 5N.HARD 340616 BREC	1580	324173-340624 5MATANZAS -5BRTAP 1	BREC	BREC	2	-0.38	0	0	2	0.38
7PALMYRA 345436 AMMO 5PALMYRA 345437 AMMO	1581	345435-347010 7MAYWOOD -7HERLEMAN 1	AMMO	AMMO	2	-1.81	0	0	2	1.81
5MARBLE N 347516 AMIL 4MARBHD N 347515 AMIL	1581	345435-347010 7MAYWOOD -7HERLEMAN 1	AMIL	AMIL	41	-1.8	0	0	41	1.8
05FALL C 243222 AEP 16SUNNYS 254535 IPL	1584	243222-249515 05FALL C -08NOBLSV 1	AEP	IPL	656	-25.38	0	0	656	25.38
05FALL C 243292 AEP 08NEWCAS 249810 DUK-IN	1585	243222-254535 05FALL C -16SUNNYS 1	AEP	DUK-IN	97	-7.52	0	0	97	7.52
10ELOT13 253526 SIGE 10802288 253552 SIGE	1586	249510-253620 08GIBSON -10ABB345 1	SIGE	SIGE	0	0	179	2.97	179	2.97
7DAVIESS 324104 LKE 7COLEMAN 340563 BREC	1586	249510-253620 08GIBSON -10ABB345 1	LKE	BREC	0	0	2	0.01	2	0.01
08M.FORT 250057 DUK-OH 08M.FORT 249567 DUK-OH	1587	249567-249575 08M.FORT -08TERMNL 1	DUK-OH	DUK-OH	0	0	27	7.91	27	7.91
08SGROVE 249573 DUK-OH 08SGROVE 250097 DUK-OH	1588	249571-249573 08REDBK1 -08SGROVE 1	DUK-OH	DUK-OH	42	-30.32	0	0	42	30.32
18SPALDG 256271 CONS 18PETISJ 256326 CONS	1589	256147-256215 18GAINES -18MEADWJ 1	CONS	CONS	0	0	3	7.17	3	7.17
4LTV STL NTP348919 AMIL 4PRINCETN TP348921 AMIL	1593	271655-271835 HENNEEPIN; T-KEWANEE ;231	AMIL	AMIL	0	0	10	7.11	10	7.11
CRESCENT ; R271241 COMED OGLESBY ; T272189 COMED	1593	271655-271835 HENNEEPIN; T-KEWANEE ;231	COMED	COMED	90	-4.66	0	0	90	4.66
4INA 347280 AMIL 4WALTON TP 348841 AMIL	1594	346992-348827 7E W FKFT -7W MT VERNON1	AMIL	AMIL	0	0	179	18.36	179	18.36
4W FKFT E 348416 AMIL 4W.FRKFT 348425 AMIL	1594	346992-348827 7E W FKFT -7W MT VERNON1	AMIL	AMIL	0	0	180	13.07	180	13.07
4BROKAW 348848 AMIL 4N LEROY TAP348898 AMIL	1595	348770-348850 7GOOS_CRK -7MAROA E JCT1	AMIL	AMIL	55	-14.29	0	0	55	14.29
4BROKAW 348848 AMIL 4N LEROY TAP348898 AMIL	1596	348770-348882 7GOOS_CRK -7RISING 1	AMIL	AMIL	391	-95.42	0	0	391	95.42
4MAKANDA 347499 AMIL 4ORDILL 347883 AMIL	1597	346792-347166 4CARBD NW -4GRAND TW 1	AMIL	AMIL	196	-2.05	0	0	196	2.05
4GIBSON C 347114 AMIL 4CB BROKW TP348913 AMIL	1598	347114-347971 4GIBSON C -4PAXTON 1	AMIL	AMIL	18	-0.03	0	0	18	0.03
MAZON ; R271987 COMED OGLESBY ; T272189 COMED	1599	348745-348854 4DIAMSTR TP1-4MCLEAN CO 1	COMED	COMED	0	0	906	103.81	906	103.81
4GHENT 324253 LKE 4NAS TP 324287 LKE	1601	324105-324109 7GHENT -7NAS 1	LKE	LKE	778	-81.69	0	0	778	81.69
POWESHKS 631113 ALTW BEACON 5 635870 MEC	1602	631143-635730 OTTUMWA3 -MNTZUMA3 1	ALTW	MEC	20	-0.99	0	0	20	0.99
CBLUFFS3 635000 MEC S3456 3 645456 OPPD	1603	635017-640139 ATCHSN 3 -COOPER 3 1	MEC	OPPD	1	0	0	0	1	0
19CANIFP 264730 DECO 19CANIF 264536 DECO	1607	264626-264763 19NEAST -19STEPH 1	DECO	DECO	7	-0.02	0	0	7	0.02
LATHAM ; T270804 COMED 7LATHAM 348856 AMIL	1609	270796-270804 KINCAID ; B-LATHAM ; T1	COMED	AMIL	49	-1.09	0	0	49	1.09
IRONRNG4 608622 MP FORBES 4 608624 MP	1610	601001-601013 FORBES 2 -ROSEAU2 1	MP	MP	574	-5.11	0	0	574	5.11
4SPLENDI 334118 EES-TX 4JACINTO% 334208 EES-TX	1612	334124-334202 6BRANCH% -6CHPTSR2 1	EES-TX	EES-TX	0	0	1	0.38	1	0.38
IRONRNG4 608622 MP FORBES 4 608624 MP	1613	601012-667501 ROSEAUN2 -RIEL 2 1	MP	MP	3	0	0	0	3	0
18ENT1 263811 CONS 18REO1 263838 CONS	1615	263801-263850 18ECK1 -18GM-LGR 1	CONS	CONS	0	0	46	0.94	46	0.94
BROOKLINE 7549984 SPRM YBUS2007 97991 SPRM	1618	549984- 97990 BROOKLINE 7-YBUS2008 2	SPRM	SPRM	108	-2.25	0	0	108	2.25
S3 7 652508 WAUE GRANITF7 652551 WAUE	1646	601048- 97947 LYON CO 3 -YBUS2051 9	WAUE	WAUE	338	-57.31	0	0	338	57.31
NEAST 5 542985 KCPL CHARLOT5 543133 KCPL	1647	542985-542988 NEAST 5 -GRAND W5 1	KCPL	KCPL	118	-59.81	0	0	118	59.81
NEOSHO 5 532937 WR RIV4525 547469 EDE	1648	300739-532793 7BLACKBERRY -NEOSHO 7 1	WR	EDE	257	-12.16	0	0	257	12.16
05CLYTR1 242608 AEP 05SCHRIS 242791 AEP	1653	242512-242514 05CLOVRD -05J.FERR 1; 242684-242685 05J.FERR -05J.FERX Z	AEP	AEP	104	-28.35	0	0	104	28.35
05FIELDAL1 242638 AEP 05THORNT 242831 AEP	1653	242512-242514 05CLOVRD -05J.FERR 1; 242684-242685 05J.FERR -05J.FERX Z	AEP	AEP	2	-8.53	0	0	2	8.53
05M FUNK 242708 AEP 05TECHDR 243874 AEP	1653	242512-242514 05CLOVRD -05J.FERR 1; 242684-242685 05J.FERR -05J.FERX Z	AEP	AEP	0	0	3	0.31	3	0.31
DRESDEN ; R270717 COMED ELWOOD ; R270737 COMED	1654	270717-270731 DRESDEN ; R-ELECT JCT;4R1; 270717-275180 DRESDEN ; R-DRESDEN ;3M1	COMED	COMED	145	-7.66	0	0	145	7.66
8WATERFO 336150 EES-LA 6WATFRD% 336154 EES-LA	1664	336137-500360 6SLIDEL! -FRONTST6 1; 336149-336153 6WATFRD_TP% -1WAT U3! 1; 336149-336153 6WATFRD_TP% -1WAT U3! 2	EES-LA	EES-LA	1	-0.05	0	0	1	0.05

Flow Gate	Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
6PANAMA% 336063 EES-LA 6WILTON% 336070 EES-LA	1666	336150-336154 8WATERFO -6WATFRD% 1; 336149-336153 6WATFRD_TP% -1WAT U3! 1; 336149-336153 6WATFRD_TP% -1WAT U3! 2 335618-336150 8WILLOW_GL% -8WATERFO 1; 336149-336153 6WATFRD_TP% -1WAT U3! 1; 336149-336153	EES-LA	EES-LA	30	-6.01	0	0	30	6.01
6ST_GABRIEL%335569 EES-LA 6AAC_CORP 335573 EES-LA	1667	6WATFRD_TP% -1WAT U3! 2 336131-336136 6ADMSCRK% -6BOGALUS! 2; 336149-336153 6WATFRD_TP% -1WAT U3! 1; 336149-336153	EES-LA	EES-LA	9	-0.41	0	0	9	0.41
6ADMSCRK% 336131 EES-LA 6BOGALUS! 336136 EES-LA	1671	6WATFRD_TP% -1WAT U3! 2 334320-334325 8CYPRESS% -8HARTBRG% 1; 334456-334455 1CONOCU1! -4SRWCONOCO! 1; 334457-334455 1CONOCU2! -4SRWCONOCO! 1; 334458-334455 1CONOCU3! -	EES-LA	EES-LA	10	-0.9	0	0	10	0.9
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1675	4SRWCONOCO! 1 334320-334325 8CYPRESS% -8HARTBRG% 1; 334456-334455 1CONOCU1! -4SRWCONOCO! 1; 334457-334455 1CONOCU2! -4SRWCONOCO! 1; 334458-334455 1CONOCU3! -	EES-LA	EES-LA	0	0	8	0.57	8	0.57
4FORK CK 334281 EES-TX 4RAYBURN% 334282 EES-TX	1675	4SRWCONOCO! 1 336154-336190 6WATFRD% -6GYPSY% 1; 336250-336252 69MILE% -1NMIL U5! 1	EES-TX	EES-TX	0	0	23	2.77	23	2.77
6WATFRD% 336154 EES-LA 6GYPSY% 336190 EES-LA	1715	334363-334429 6HARTBRG% -6CHISHOLM% 1; 334440-334434 1G4SABIN! -6SABINE% 1	EES-LA	EES-LA	8	-0.8	0	0	8	0.8
6MCLEWIS 334361 EES-TX 6CHISHOLM% 334429 EES-TX	1762	334363-334429 6HARTBRG% -6CHISHOLM% 1; 334441-334434 1G5SABIN! -6SABINE% 1	EES-TX	EES-TX	62	-57.63	0	0	62	57.63
6MCLEWIS 334361 EES-TX 6CHISHOLM% 334429 EES-TX	1763	334320-334325 8CYPRESS% -8HARTBRG% 1; 334440-334434 1G4SABIN! -6SABINE% 1	EES-TX	EES-TX	23	-0.92	0	0	23	0.92
4MARSHALL 335088 EES-LA 4MOSSVSPLT! 335126 EES-LA	1786	334320-334325 8CYPRESS% -8HARTBRG% 1; 334440-334434 1G4SABIN! -6SABINE% 1	EES-LA	EES-LA	0	0	19	0.3	19	0.3
4FORK CK 334281 EES-TX 4RAYBURN% 334282 EES-TX	1786	334320-334325 8CYPRESS% -8HARTBRG% 1; 334441-334434 1G5SABIN! -6SABINE% 1	EES-TX	EES-TX	0	0	364	131.54	364	131.54
4FORK CK 334281 EES-TX 4RAYBURN% 334282 EES-TX	1787	334320-334325 8CYPRESS% -8HARTBRG% 1; 334433-334430 1G3SABIN! -4SABINE% 1	EES-TX	EES-TX	0	0	47	10.68	47	10.68
4FORK CK 334281 EES-TX 4RAYBURN% 334282 EES-TX	1789	335189-335066 8PATTON -6PATTON 1; 335200-335201 4NELSON% -1NELSON_G1! 1	EES-TX	EES-TX	0	0	2	0.04	2	0.04
6NELSON% 335190 EES-LA 8NELSON% 335192 EES-LA	1794	335189-335066 8PATTON -6PATTON 1; 335200-335202 4NELSON% -1NELSON_G2! 1	EES-LA	EES-LA	0	0	5	0.03	5	0.03
6NELSON% 335190 EES-LA 8NELSON% 335192 EES-LA	1795	335189-335066 8PATTON -6PATTON 1; 335190-335206 6NELSON% -1NELSON_G6! 1	EES-LA	EES-LA	0	0	1	0	1	0
6NELSON% 335190 EES-LA 8NELSON% 335192 EES-LA	1796	335200-335190 4NELSON% -6NELSON% 1; 335200-335201 4NELSON% -1NELSON_G1! 1	EES-LA	EES-LA	0	0	56	0.43	56	0.43
4CARLYSS! 335060 EES-LA 6CARLYSS% 335070 EES-LA	1797	335200-335190 4NELSON% -6NELSON% 1; 335200-335202 4NELSON% -1NELSON_G2! 1	EES-LA	EES-LA	0	0	561	18.15	561	18.15
4CARLYSS! 335060 EES-LA 6CARLYSS% 335070 EES-LA	1798	335192-335367 8NELSON% -8RICHARD% 1; 335200-335201 4NELSON% -1NELSON_G1! 1	EES-LA	EES-LA	0	0	518	14.85	518	14.85
4BAYOU_COVE%303014 LAGN 4HEBERT 335365 LAGN	1800	335192-335367 8NELSON% -8RICHARD% 1; 335200-335202 4NELSON% -1NELSON_G2! 1	LAGN	LAGN	74	-4.56	0	0	74	4.56
4BAYOU_COVE%303014 LAGN 4HEBERT 335365 LAGN	1801	335192-335367 8NELSON% -8RICHARD% 1; 335190-335206 6NELSON% -1NELSON_G6! 1	LAGN	LAGN	76	-8.42	0	0	76	8.42
4LC_BULK_N! 335210 EES-LA 4COL_WLSH_TP335281 EES-LA	1802	335192-335367 8NELSON% -8RICHARD% 1; 335190-335206 6NELSON% -1NELSON_G6! 1	EES-LA	EES-LA	0	0	1	0.28	1	0.28
4BAYOU_COVE%303014 LAGN 4HEBERT 335365 LAGN	1802	6NELSON% -1NELSON_G6! 1	LAGN	LAGN	288	-47.02	0	0	288	47.02

Flow Gate				Event ID	Cont Name	From Area	To Area	Hours at Max	SP at Max [k\$/MWh]	Hours at Min	SP at Min [k\$/MWh]	Total Binding Hours	Total SP [k\$/MWh]
BVISTA 4	500060 CLEC	ELPTAP 4	500290 CLEC	1803	335368-335500 8WELLS% -8WEBRE% 1; 335200-335201	CLEC	CLEC	12	-1.03	0	0	12	1.03
					4NELSON% -1NELSON_G1! 1								
BVISTA 4	500060 CLEC	ELPTAP 4	500290 CLEC	1804	335368-335500 8WELLS% -8WEBRE% 1; 335200-335202	CLEC	CLEC	10	-0.2	0	0	10	0.2
					4NELSON% -1NELSON_G2! 1								
BVISTA 4	500060 CLEC	ELPTAP 4	500290 CLEC	1805	335368-335500 8WELLS% -8WEBRE% 1; 335190-335206	CLEC	CLEC	153	-21.07	0	0	153	21.07
					6NELSON% -1NELSON_G6! 1								
ELPTAP 4	500290 CLEC	WAXLAKE4	500890 CLEC	1805	335368-335500 8WELLS% -8WEBRE% 1; 335190-335206	CLEC	CLEC	3	-0.24	0	0	3	0.24
					6NELSON% -1NELSON_G6! 1								
6ADMSCRK% 336131 EES-LA	6BOGALUS! 336136 EES-LA	HG_CONVRTR_N107326 ISO-NE	HG_CONVRTR_S107324 ISO-NE	1813	336131-336136 6ADMSCRK% -6BOGALUS! 1; 336250-	EES-LA	EES-LA	13	-1.96	0	0	13	1.96
					336252 69MILE% -1NMIL U5! 1								
RAD315	A181020 TE	SNDYPD HVDC1114071 ISO-NE	SNDYPD HVDC2114072 ISO-NE	DC	DC	ISO-NE	ISO-NE	0	0	63	0	63	0
RAD315	A181020 TE	SNDYPD HVDC1114071 ISO-NE	SNDYPD HVDC2114072 ISO-NE	DC	DC	TE	ISO-NE	570	-0.12	0	0	570	0.12
28NEPTUNE	206400 JCPL	NEPTCONV 128842 NY	NEPTCONV 128842 NY	DC	DC	JCPL	NY	419	-0.17	0	0	419	0.17
CNV_BRG	219810 PSEG	CNV_BRG2 217177 PSEG	CNV_BRG2 217177 PSEG	DC	DC	JCPL	NY	1180	-0.37	6418	3.14	7598	3.51
SGBP1DC4	608597 MP	ARDP1DC4 608596 MP	ARDP1DC4 608596 MP	DC	DC	PSEG	PSEG	0	0	8760	0.78	8760	0.78
SGBP2DC4	608599 MP	ARDP2DC4 608598 MP	ARDP2DC4 608598 MP	DC	DC	MP	MP	6738	-3.22	524	0.29	7262	3.51
GRE-COAL CR4615600 GRE	GRE-DICKNSN3615353 GRE	GRE-DICKNSN3615353 GRE	GRE-DICKNSN3615353 GRE	DC	DC	MP	MP	7268	-3.2	666	0.21	7934	3.41
GRE-COAL CR4615600 GRE	GRE-DICKNSN3615353 GRE	GRE-DICKNSN3615353 GRE	GRE-DICKNSN3615353 GRE	DC	DC	GRE	GRE	3307	-1.03	419	0.12	3726	1.15
CONAWAP4	667000 MHEB	RIEL 4 667041 MHEB	RIEL 4 667041 MHEB	DC	DC	GRE	GRE	330	-0.06	483	-0.11	813	0.17
CONAWAP4	667000 MHEB	RIEL 4 667041 MHEB	RIEL 4 667041 MHEB	DC	DC	MHEB	MHEB	2057	-2.07	555	0.04	2612	2.11
HENDAY 4	667001 MHEB	DORSEY 4 667035 MHEB	DORSEY 4 667035 MHEB	DC	DC	MHEB	MHEB	1444	-1.46	541	-0.36	1985	1.82
HENDAY 4	667001 MHEB	DORSEY 4 667035 MHEB	DORSEY 4 667035 MHEB	DC	DC	MHEB	MHEB	1436	-1.44	939	-0.04	2375	1.48
RADSND6	667231 MHEB	DC5 JCT4 667036 MHEB	DC5 JCT4 667036 MHEB	DC	DC	MHEB	MHEB	492	-0.49	829	-0.44	1321	0.93
RADSND6	667231 MHEB	DC6 JCT4 667037 MHEB	DC6 JCT4 667037 MHEB	DC	DC	MHEB	MHEB	318	-0.32	0	0	318	0.32
RADSND6	667231 MHEB	DC6 JCT4 667037 MHEB	DC6 JCT4 667037 MHEB	DC	DC	MHEB	MHEB	306	-0.31	7	0	313	0.31