

Appendix A

Form 1 of 2 for Reporting Lines and Transformers In the Baseline Reliability Study (MTEP-04)and 2004 MAPP Regional Plan (2004-2013)

The

Note #1:

PLANNED projects are the preferred solution to an identified issue. PROPOSED projects are a tentative solution to an identified issue. The projects in this list are projected for service on the date indicated. They are expected to be needed to meet existing commitments including network and native load growth. Because there is always the possibility of delay in permitting and construction, or for modification or deferral of projects as system conditions change, Transmission Providers should not assume that these projects are in service when selling new transmission service. New transmission service should be conditioned on the completion of these projects.

Planned Transmission Lines and Transformers:

Row ID Number	Expected In Service Date (m/d/y)	MISO Area/Service Region	From:	To:	Circuit #	Voltage (KV)	Map Grid Location	Line Mile Estimates			Need Estimate (SUM of Columns *100 %)				Status (Note #1 above)	Reporting Source or TO	In Model (Y/N)	Project Group Number
								Rebuild or Upgrade	New	Total Miles	Summer Rating (MVA)	Native Network Load	Gen Interconnection	Transmission Service				
1081	6/1/06	N-MW	Parsons Lake	Parsons	1	115	TC detail		4.3	4.3	300	100			Planned	GRE		
1082	6/1/06	N-MW	Phynoun	Em Creek	1	115	TC detail	9.5	2.5	12.0	300	100			Planned	GRE		
1083	6/1/06	N-MW	Vermion River	Emery	1	115	TC detail	6.0	6.0	200	100			Proposed	GRE			
1087	6/1/06	N-MW	Pressant Valley (6075)	Crabtree (60647)	1	181	TC detail	30.0	30.0	288	100			Proposed	RPU	N		
7777	6/1/06	N-MW	Barton	Northern Hills	1	161	TC detail	15.0	15.0	268	100			Proposed	RPU	N		
277	6/1/06	N-MW	AI Lake	Vermion River	1	115	TC detail	4.2	4.2	200	100			Planned	XEL	Y		
667	6/1/06	N-MW	Eden Prairie	345-115 Tr	1	345/115	TC detail	0.0	0.0	672	100			Proposed	XEL	N	TC TX	
988	6/1/06	N-MW	Eden Prairie	345-115 Tr	2	345/115	TC detail	0.0	0.0	672	100			Proposed	XEL	N	TC TX	
989	6/1/06	N-MW	PA Inc Park BP	Saltia Crossing	1	115	TC detail	14.3	14.3	310	100			Proposed	XEL	N	ST Cloud	
570	6/1/06	N-MW	LAWRENCE GEN.	WATSON CRT	1	115	TC detail	18.0	18.0	100	100			Proposed	XEL	N	ST Cloud	
571	6/1/06	N-MW	Saltia Crossing	WATSON CRT	1	115	TC detail	2.5	1.0	310	100			Proposed	XEL	N	ST Cloud	
572	6/1/06	N-MW	Saltia Crossing	WATSON CRT	1	115	TC detail	2.2	1.0	310	100			Proposed	XEL	N	ST Cloud	
573	6/1/06	N-MW	Shore	WATSON CRT	1	345/115	TC detail	4.4	4.4	100	100			Proposed	XEL	N	ST Cloud	
574	6/1/06	N-MW	ST Cloud	PA Inc Park BP	1	115	TC detail	5.0	5.0	310	100			Proposed	XEL	N	ST Cloud	
239	1/1/06	N-MW	Hartel Lake	Shannon	1	115	TC detail	3.7	3.7	63	100			Planned	MH	Y	34	
272	1/1/06	N-MW	Hartel Lake	Shannon	1	115	TC detail	13.0	13.0	310	100			Proposed	XEL	N	Wind 625	
1076	1/23/06	N-MW	Redwood Falls Tap	Fraser	1	115	TC detail	6.6	7.8	224	100			Proposed	GRE	N		
377	1/23/06	N-MW	Appeton	Scoutlake	1	115	TC detail	21.3	21.3	96	100			Proposed	OTP	N		
378	1/23/06	N-MW	Dawson	Carby	1	115	TC detail	21.1	21.1	96	100			Proposed	OTP	N		
302	7/1/07	N-MW	Fenton	Charlsruhe	1	115	TC detail	14.0	14.0	600	100			Proposed	XEL	N	Wind 625	
308	7/1/07	N-MW	Nobles Co	Fenton	1	115	TC detail	12.0	12.0	600	100			Proposed	XEL	N	Wind 625	
307	7/1/07	N-MW	Nobles Co	LAWRENCE JCT	1	345	TC detail	42.0	42.0	2095	100			Proposed	XEL	N	Wind 625	
309	7/1/07	N-MW	Nobles Co	345-115 Transformer	1	345/115	TC detail	6.0	6.0	2095	100			Proposed	XEL	N	Wind 625	
311	7/1/07	N-MW	Bohl Rock	Nobles Co	1	345	TC detail	52.0	52.0	2095	100			Proposed	XEL	N	Wind 625	
1088	12/1/07	N-MW	Lawrence Creek	115-69 Transformer	1	115/69	TC detail	7.0	7.0	400	100			Planned	XEL	Y		
242	12/1/07	N-MW	For Lake	RURD	1	181	TC detail	18.0	18.0	434	100			Proposed	XEL/JLT	N	Wind 625	
274	12/1/07	N-MW	RURD	WINDING JCT	1	181	TC detail	18.0	18.0	434	100			Proposed	XEL/JLT	N	Wind 625	
286	12/1/07	N-MW	WYRUP 230	WINDING JCT	1	230/115	TC detail	18.7	18.7	75	100			Proposed	OTR/MPG	N	27	
301	12/1/07	N-MW	Chicago	Landon	1	115	TC detail	7.0	7.0	310	100			Planned	XEL	Y	41	
304	12/1/07	N-MW	LAWRENCE CREEK	161-115 Transformer	1	161/115	TC detail	2.1	2.1	310	100			Planned	XEL	Y	41	
305	12/1/07	N-MW	LAWRENCE CREEK	ST CROIX FALLS	1	161	TC detail	2.8	2.8	310	100			Planned	XEL	Y	41	
306	12/1/07	N-MW	Landon	SHAR	1	115	TC detail	6.2	6.2	310	100			Planned	XEL	Y	41	
310	12/1/07	N-MW	Lawrence Creek	Lawrence Creek	1	115	TC detail	23.0	23.0	300	100			Planned	XEL	Y	41	
312	12/1/07	N-MW	ST CROIX FALLS	Apple River	1	161	TC detail	1.8	1.8	310	100			Planned	XEL	Y	41	
576	6/1/06	N-MW	Inner Hills	Koch	2	115	TC detail	0.0	0.0	672	100			Proposed	GREENEL	N	TC TX	
577	6/1/06	N-MW	Parsons Lake	345-115 Tr	1	345/115	TC detail	0.0	0.0	672	100			Proposed	XEL	N	TC TX	
578	6/1/06	N-MW	Parsons Lake	345-115 Tr	2	345/115	TC detail	0.0	0.0	672	100			Proposed	XEL	N	TC TX	
136	6/30/06	N-MW	Arrowhead	Wendell	1	345	TC detail	220.0	220.0	800	60		25	Planned	ATCo	Y	1	
316	6/30/06	N-MW	Arrowhead 230-230 Phase-Str	Wendell	1	230/230	TC detail	800	800	100	100			Planned	MP	Y	1	
319	6/30/06	N-MW	Arrowhead 345/230	Perquet Lakes	1	345/230	TC detail	30.0	30.0	182	100		0	Planned	MP	Y	1	
579	6/30/06	N-MW	Bardons	Perquet Lakes	1	115	TC detail	43.5	43.5	384	100			Planned	MP	Y	1	
581	1/1/06	N-MW	Dooley	Perquet Lakes	2	230	TC detail	1.7	1.7	100	100			Planned	MH	N	TC TX	
234	1/23/08	N-MW	Marine River 345	WATSON CRT	3	345/230	TC detail	3.6	3.6	75	100		25	Proposed	TRM/PCX	N	27	
1098	1/23/08	N-MW	Bohwell	WATSON CRT	1	230	TC detail	85.0	85.0	390	75			Proposed	TRM/PCX	N		
582	6/7/09	N-MW	Red Rock	345-115 Tr	1	345/115	TC detail	67.2	67.2	100	100			Proposed	XEL	N	TC TX	
983	6/7/09	N-MW	Red Rock	345-115 Tr	2	345/115	TC detail	67.2	67.2	100	100			Proposed	XEL	N	TC TX	
1086	1/1/06	N-MW	Ridgeway Transformer	230-68.5	3	230/68.5	TC detail	1.7	1.7	100	100			Planned	MH	N		
1106	1/23/09	N-MW	Barton	WATSON CRT	1	181	TC detail	24.8	24.8	240	100			Proposed	DPC	N		
1090	3/31/10	N-MW	Hartel Lake	Stone Lake	1	230	TC detail	86.0	86.0	390	100			Proposed	DPC	N		
1091	3/31/10	N-MW	Hartel Lake	WATSON CRT	2	230	TC detail	86.0	86.0	390	100			Proposed	MH	N		
1092	3/31/10	N-MW	Hartel Lake	WATSON CRT	2	230	TC detail	103.0	103.0	390	100			Proposed	MH	N		
1093	5/1/10	N-MW	Oak Point Tap	Auger	1	115	TC detail	6.6	6.6	110.1	100			Proposed	MH	N		
1094	5/1/10	N-MW	Robber	Oak Point Tap	1	115	TC detail	6.6	6.6	110.1	100			Proposed	MH	N		
1095	6/1/10	N-MW	Alma	Elk Mound	1	161	TC detail	45.0	45.0	314	100			Proposed	DPC	N		

Working Comments