

MTEP09 Pre-Planning Project Proposal List - Preliminary Info for 1st Round of Subregional Planning Meetings - 12/15/08														Preliminary									
Region	Rep_Sources	PrjID	Proj_Name	Proj_Desc	Max_Expected	SumOfEst_Cost	Need_Summary	Alternatives	State	State	App ABC	Target Appendix	Prj Type for Allocation	Preliminary Share Statu	Max	Mp kv	Facil Cour	MISQ Fac					
West	MDU	1153	G311, 37699-01	Net: The Transmission Owner shall install a larger 115/34.5kV substation transformer, and relaying associated with the new transformer. Add 34.5kV PTs, 34.5kV station service transformer, SCADA RTU, 115kV CVTs and 115kV line relaying at Gascoyne. Add sync-check relaying on breaker 2132 at the Hettinger Jct Substation. Int: Generator shall cause to be constructed the following interconnection facilities at Transmission Owner's Gascoyne Jct Substation: 2-circuit breaker disconnect switches, 1- "interfe circuit breaker" and associated 34.5kV line and interfe protective relaying, meters, 34.5kV potential and current transformers, arresters, the associated high voltage bus work, grounding, foundations, conduit and control wiring.	9/1/04		http://www.midwestso.org/plan_inter/documents/G311_1_GascoyneWindInterconnectionEvaluationStudy.pdf		ND		B	B	TAP	In Suspension		1	1	Y					
West	MDU	1356	Glenham - Reactors 230 115 Control high voltage on WAPA Bismarck - Oahe 230 kV line	Glenham - Reactors 230 115 Control high voltage on WAPA Bismarck - Oahe 230 kV line	11/1/12				ND		C	C			230	115	1	Y					
West	Midwest ISO	2179	MTEP08 Reference Future EHV Overlay - Dorsey to Riel	Builds 500 kV circuit from Dorsey Station in Manitoba to Riel Station in Manitoba	8/1/18	\$46,000,000.00	Combined with all Reference Future conceptual transmission, has a greater than 1 Benefit to Cost Ratio		Manitoba		C	C			500		1	Y					
West	Midwest ISO	2180	MTEP08 Reference Future EHV Overlay - Riel to Maple River	Builds 500 kV circuit from Riel Station in Manitoba to Maple River Station in North Dakota	8/1/18	\$374,000,000.00	Combined with all Reference Future conceptual transmission, has a great than 1 Benefit to Cost Ratio		Manitoba	ND	C	C			500	115	3	Y					
West	Midwest ISO	2181	MTEP08 Reference Future EHV Overlay - Maple River to Blue Lake	Builds 500 kV circuit from Maple River Station in North Dakota to Blue Lake Station in Minnesota	8/1/18	\$401,000,000.00	Combined with all Reference Future conceptual transmission, has a great than 1 Benefit to Cost Ratio		SD	MN	C	C			500	345	2	Y					
West	Midwest ISO	2182	MTEP08 Reference Future EHV Overlay - Maple River to Watertown	Builds 345 kV circuit from Maple River Station in North Dakota to Watertown Station in South Dakota	8/1/18	\$202,000,000.00	Combined with all Reference Future conceptual transmission, has a great than 1 Benefit to Cost Ratio		ND	SD	C	C			345		1	Y					
West	Midwest ISO	2183	MTEP08 Reference Future EHV Overlay - Watertown to Split Rock	Builds 345 kV circuit from Watertown Station in South Dakota to Splitrock station in South Dakota	8/1/18	\$131,000,000.00	Combined with all Reference Future conceptual transmission, has a great than 1 Benefit to Cost Ratio		SD		C	C			345		1	Y					
West	Midwest ISO	2184	MTEP08 Reference Future EHV Overlay - Splitrock to "New Blue Earth Sub"	Builds 345 kV circuit from Splitrock Station in South Dakota to a New Blue Earth Station in Minnesota	8/1/18	\$205,000,000.00	Combined with all Reference Future conceptual transmission, has a great than 1 Benefit to Cost Ratio		SD	MN	C	C			765	345	2	Y					
West	Midwest ISO	2185	MTEP08 Reference Future EHV Overlay - Adams to Hampton Corners	Builds 765 kV circuit from Adams Station in Minnesota to Hampton Corners Station in Minnesota	8/1/18	\$282,000,000.00	Combined with all Reference Future conceptual transmission, has a great than 1 Benefit to Cost Ratio		MN		C	C			765	345	3	Y					
West	Midwest ISO	2186	MTEP08 Reference Future EHV Overlay - Sherburne County to Chisago City	Builds 345 kV circuit from Sherburne County Station to Chisago County Station in Minnesota	8/1/18	\$69,000,000.00	Combined with all Reference Future conceptual transmission, has a great than 1 Benefit to Cost Ratio		MN		C	C			345		1	Y					
West	Midwest ISO	2187	MTEP08 Reference Future EHV Overlay - Sherburne County to "New SW MPLS Sub"	Builds 345 kV circuit from Sherburne County Station to New SW Minneapolis Station in Minnesota	8/1/18	\$68,000,000.00	Combined with all Reference Future conceptual transmission, has a great than 1 Benefit to Cost Ratio		MN		C	C			345		1	Y					
West	Midwest ISO	2188	MTEP08 Reference Future EHV Overlay - "New SW MPLS Sub" to Hampton Corners	Builds 765 kV circuit from Hampton Corner Station to New SW Minneapolis Station in Minnesota	8/1/18	\$260,000,000.00	Combined with all Reference Future conceptual transmission, has a great than 1 Benefit to Cost Ratio		MN		C	C			765		1	Y					
West	Midwest ISO	2189	MTEP08 Reference Future EHV Overlay - Hampton Corners to Chisago Cty (east mpls loop)	Builds 345 kV circuit from Hampton Corner Station to Chisago County Station in Minnesota	8/1/18	\$103,000,000.00	Combined with all Reference Future conceptual transmission, has a great than 1 Benefit to Cost Ratio		MN		C	C			345		1	Y					
West	Midwest ISO	2190	MTEP08 Reference Future EHV Overlay - Watertown to "New SW MPLS Sub"	Builds 345 kV circuit from Watertown Station in South Dakota to New SW Minneapolis Station in Minnesota	8/1/18	\$230,000,000.00	Combined with all Reference Future conceptual transmission, has a great than 1 Benefit to Cost Ratio		SD	MN	C	C			765	345	2	Y					
West	Midwest ISO	2191	MTEP08 Reference Future EHV Overlay - "New SW MPLS Sub" to "New Blue Earth Sub"	Builds 765 kV circuit from New SW Minneapolis Station to New Blue Earth Station in Minnesota	8/1/18	\$215,000,000.00	Combined with all Reference Future conceptual transmission, has a great than 1 Benefit to Cost Ratio		MN		C	C			765		1	Y					
West	Midwest ISO	2192	MTEP08 Reference Future EHV Overlay - "New Blue Earth Sub" to Lehigh	Builds 765 kV Circuit from New Blue Earth Station in Minnesota to Lehigh Station in Iowa	8/1/18	\$273,000,000.00	Combined with all Reference Future conceptual transmission, has a great than 1 Benefit to Cost Ratio		MN	IA	C	C			765	345	2	Y					
West	Midwest ISO	2193	MTEP08 Reference Future EHV Overlay - Lehigh to Toledo	Builds 765 kV circuit from Lehigh Station to Toledo Station in Iowa	8/1/18	\$313,000,000.00	Combined with all Reference Future conceptual transmission, has a great than 1 Benefit to Cost Ratio		IA		C	C			765		1	Y					
West	Midwest ISO	2210	MTEP08 Reference Future EHV Overlay - Chisago Cty to Longwood	Build 345 kV circuit from Chisago County Station in Minnesota to Longwood Station in Wisconsin	8/1/18	\$165,000,000.00	Combined with all Reference Future conceptual transmission, has a great than 1 Benefit to Cost Ratio		MN	WI	C	C			345		1	Y					
West	Midwest ISO	2211	MTEP08 Reference Future EHV Overlay - Longwood to Greenwood	Build 345 kV circuit from Longwood Station to Greenwood Station in Wisconsin	8/1/18	\$200,000,000.00	Combined with all Reference Future conceptual transmission, has a great than 1 Benefit to Cost Ratio		WI		C	C			345		1	Y					
West	Midwest ISO	2212	MTEP08 Reference Future EHV Overlay - Adams to Rockcreek	Build 765 kV circuit from Adams Station in Minnesota to Rock Creek Station in Iowa	8/1/18	\$627,000,000.00	Combined with all Reference Future conceptual transmission, has a great than 1 Benefit to Cost Ratio		MN	IA	C	C			765		1	Y					
West	Midwest ISO	2214	MTEP08 Reference Future EHV Overlay - Glenham to Ellendale	Build 345 kV circuit from Glenham in South Dakota to Ellendale in North Dakota	8/1/18	\$47,000,000.00	Combined with all Reference Future conceptual transmission, has a great than 1 Benefit to Cost Ratio		SD	ND	C	C			345	230	2	Y					
West	Midwest ISO	2217	MTEP08 Reference Future EHV Overlay - Granite Falls-Twin Cities	Build 345 kV circuit from Granite Falls (Hazel sub) to Blue Lake (Twin Cities) in Minnesota	8/1/18	\$162,000,000.00	Combined with all Reference Future conceptual transmission, has a great than 1 Benefit to Cost Ratio		MN		C	C			345		3	Y					
West	Midwest ISO	2219	MTEP08 Reference Future EHV Overlay - Maple River to Ellendale	Build 345 kV double circuit line from Maple River to Ellendale in North Dakota	8/1/18	\$239,000,000.00	Combined with all Reference Future conceptual transmission, has a great than 1 Benefit to Cost Ratio		ND		C	C			345	230	2	Y					