

TABLE OF CONTENTS VOLUME I A - MFSA APPLICATION

MFSA CROSS REFERENCE TABLE

CHAPTER 1	PURPOSE, NEED AND BENEFITS	1-1
1.1	INTRODUCTION	1-1
1.2	SUMMARY OF PURPOSE, NEED, AND BENEFITS.....	1-3
1.3	BACKGROUND.....	1-3
1.3.1	Recent Legislative and Regulatory Actions.....	1-3
1.3.2	NorthWestern Energy (NWE)	1-5
1.3.3	Montana Import and Export Paths (inc. MT-ID Path).....	1-6
1.3.4	Montana Internal Paths	1-9
1.4	PURPOSE OF THE PROJECT.....	1-9
1.4.1	Respond to Customer Requests for Transmission Capacity	1-10
1.4.2	Provide a Transmission Path for New Generation Development ..	1-11
1.5	NEED FOR THE PROJECT	1-14
1.5.1	Changing Transmission Use	1-14
1.5.2	Relieve Congestion on the Existing Facilities.....	1-15
1.5.3	Improve Transmission System Performance and Flexibility	1-19
1.5.4	Meet the Regional Electrical Demand	1-21
1.6	BENEFITS OF THE PROJECT	1-24
1.6.1	Regional Benefits	1-24
1.6.2	Provide Energy Diversification	1-25
1.6.3	Provide Bi-Directional Transmission Capacity	1-25
1.6.4	Provide Market Competition and Increase Supplier Choice	1-26
1.6.5	Provide a Positive Economic Impact	1-26
1.7	PLANNING REQUIREMENTS (AUTHORIZATIONS AND PERMITS).....	1-27
1.8	<i>Preexisting Studies</i>	1-31a
CHAPTER 2	PROPOSED ACTION AND PROJECT ALTERNATIVES	2-2
2.1	Project Overview.....	2-1
2.1.1	New 500kV Transmission Line	2-1
2.1.2	New Townsend Substation	2-2
2.1.3	Mill Creek Substation	2-2
2.1.4	Midpoint Substation Modifications	2-2