

Table AR-6
Asset Renewal Transformer Replacements

System Upgrade	Projected In-Service Year	Voltage	Planning Zone	MISO MTEP Appendix Status	MTEP PRJID	MTEP Cost or Cost Range	Need Category
Lost Dauphin T1	2019	138/69-kV	4	A	9954	6.7	Improve condition, reliability
Nelson Dewey T31, T32	2019	138/69-kV	3	A	9961	6	Improve condition, reliability
Rocky Run, T1, T2, T4	2019	345/138-kV	1	A	8443	<10	Improve condition, reliability
Whitcomb T31/ Caroline T31	2020	115/69-kV	1	--	--	10-25	Improve condition, reliability
Shoto T1	2021	138/69-kV	4	--	--	<10	Improve condition, reliability
Replace one transformer	2021	138/69-kV	various	--	--	<10	Improve condition, reliability
Replace one transformer	2021	345/138-kV	various	--	--	<10	Improve condition, reliability
Erdman T31	2022	138/69-kV	4	A	9944	6	Improve condition, reliability
Replace one transformers	2022	138/69-kV	various	--	--	<10	Improve condition, reliability
Replace two transformers	2023	138/69-kV	various	--	--	<10	Improve condition, reliability
Replace one transformer	2023	345/138-kV	various	--	--	<10	Improve condition, reliability
Replace two transformers	2024	138/69-kV	various	--	--	<10	Improve condition, reliability
East Krok T1	2025	138/69-kV	4	A	9958	<10	Improve condition, reliability
Replace one transformer	2025	138/69-kV	various	--	--	<10	Improve condition, reliability
Replace one transformer	2025	345/138-kV	various	--	--	10-25	Improve condition, reliability
Replace two transformers	2026	138/69-kV	various	--	--	<10	Improve condition, reliability