

PU voltages for 34kV service to Guardian Pipeline Gas Compression Facility

Existing 34 KV System		
	Voltage at TSS83	Voltage at Motor
Motor Running	1.03	0.92
Motor Starting	*	*

New 138-34 KV Substation		
	Voltage at New Station	Voltage at Motor
Motor Running	1.04	1.05
Motor Starting	0.94	0.83

* Model predicts motor would not start. Maximum size motor capable of starting is 28,000 Hp, based on study.