

765 kV single circuit EHV path COST versus 500kv double circuit EHV path COST

765 kV S/C Line	miles	per mile/unit	Cost
Shunt Capacitor Compensation Cost (included in sub cost)			
765kV, S/C, 6-795 kcmil ACSR, Line Cost	250	2,578,000	644,500,000
765/500kV Substation Cost (incl 2-2250MVA transformers)		169,000,000	169,000,000
765 kV option, total Cost~=			813,500,000
500 kV D/C line			
500 kV, D/C construction 3-1590 ACSR, operated as two circuits	250	2,640,000	660,000,000
Shunt (500kV) Capacitor Compensation Cost for Net MVAR losses		20,000,000	20,000,000
500 kV Substation Cost (2 bays, bkr and half, 6-500 kV CBs total)		25,750,000	25,750,000
500 kV option, total Cost~=			705,750,000
Capital Cost, 765kV Single Circuit versus 500kV Double Circuit			-13%
		Difference \$	(107,750,000)