

TABLE E.1.9

1990 FORECASTS FOR COMMON SCENARIOS

	RUN DESCRIPTION					
	BASE CASE		4 lb CAP		2 lbs CAP	
	USM	CEUM	USM	CEUM	USM	CEUM
SO ₂ Emissions (10 ⁶ tons/yr)	18.6	18.9	16.7	16.2	13.0	11.7
Annualized Costs (\$1980 X 10 ⁹ /yr)	159.6	110.6	159.9	111.3	160.8	113.0
% Change over Base Case	-	-	+0.2	+0.6	+0.8	+0.3
Cost Effectiveness (\$/ton removed)	-	-	160.0	254.0	240.0	342.0
Electricity Rate Increase (%)	-	-	0.2	0.4	0.8	1.3
Wet FGD (GW)	155.0*	53.0	159.0*	67.0	214.0*	78.0
Dry FGD (GW)		28.0		27.0		48.0
Capacity Penalty (GW)	1.8	2.1	1.8	2.2	2.0	2.5
**Coal Production Changes (10 ⁶ tons)						
Northern Appalachia	135.0	209.0	-16.0	+1.0	-54.0	-21.0
Central and Southern Appalachia	151.0	340.0	+21.0	+2.0	+44.0	+33.0
Midwest	114.0	174.0	-8.0	-17.0	-19.0	-37.0
Western Northern Great Plains	163.0	260.0	-1.0	+4.0	-7.0	-3.0
Rockies and Southwest	73.0	152.0	+5.0	+11.0	+35.0	+18.0
Coal Use (10 ¹⁵ Btu/yr)	18	17	18	17	18	17
Total Capital Costs (\$1980 X 10 ⁹)	NA	308	NA	310	NA	318

* Both wet and dry scrubbing are included.

** Coal production change estimates for the USM model are for 1985. The base case production estimate for CEUM includes all coal produced including that used by non-utility sources and that exported whereas USM estimates only apply to production required to meet utility steam-coal requirements. Thus the absolute numbers for the base case are not directly comparable.