

TABLE E.1.10

1990 FORECASTS FOR CEUM RUNS

	RUN NUMBER						
	No. 1 Base	No. 2 10% ARM	No. 3 30% ARM	No. 4 10% Each	No. 5 30% Each	No. 6 4 Pound	No. 7 2 Pound
SO ₂ Emissions (10 ⁶ tons/yr)	18.9	17.2	13.8	17.0	13.3	16.2	11.7
Annualized Costs (\$1980 X 10 ⁹ /yr)	110.6	110.8	111.5	111.8	114.1	111.3	113.0
% Change over Base Case	-	0.2%	+0.8%	+1.0	+32.0	+0.6	+0.3
Cost Effectiveness (\$/ton removed)	-	115.0	175.0	628.0	618.0	245.0	342.0
Electricity Rate Increase (%)	-	0.1	0.5	0.6	1.9	0.4	1.3
Wet FGD (GW)	53.0	54.0	61.0	54.0	63.0	67.0	78.0
Dry FGD (GW)	28.0	29.0	30.0	31.0	52.0	28.0	48.0
Capacity Penalty (GW)	2.1	2.1	2.3	2.1	2.4	2.2	2.5
*Coal Production Changes (10 ⁶ tons)							
Northern Appalachia	209.0	-2.0	-20.0	-7.0	-17.0	+1.0	-21.0
Central and Southern Appalachia	340.0	+8.0	+27.0	+6.0	+22.0	+2.0	+33.0
Midwest	174.0	-15.0	-25.0	-10.0	-27.0	-17.0	-37.0
Western Northern Great Plains	260.0	-3.0	-1.0	-4.0	-5.0	+4.0	-3.0
Rockies and Southwest	152.0	+9.0	+17.0	+9.0	+24.0	+11.0	+18.0
Rest of West	116.0	+1.0	+2.0	0.0	-2.0	1.0	+2.0
Coal Use (10 ¹⁵ Btu/yr)	17.0	17.0	17.0	17.0	17.0	17.0	17.0
Total Capital Costs (\$1980 X 10 ⁹)	308	319	311	309	316	310	318

* 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.