

Estimated Costs and Benefits of Proposed Cement NESHAP

	Emissions Reductions^a	Total Annualized Costs (millions of 2005\$)	Updated Benefits** Methodology (millions of 2005\$)	Old Benefits^b Methodology (millions of 2005\$)
Total with HCI MACT option	6,300 tpy PM _{2.5} 139,240 tpy SO ₂	\$360 (engineering costs) \$700 ^c (social costs)	\$4,400 to \$11,000 (620 to 1,600 avoided premature mortalities)	\$3,100 to \$6,500
Total with HCI Health- based option	6,100 tpy PM _{2.5} 14,500 tpy SO ₂	\$260 (engineering costs)	\$1,400 to \$3,500 (200 to 520 avoided premature mortalities)	\$1,200 to \$2,400

^a Assumes PM_{2.5} fraction is 45%. Includes emission reductions from existing kilns and assumes 20 new kilns by 2013. Includes emission reductions from controls on HCL, THC, and Hg.

^b Benefits estimates are for the year 2013.

^c Includes compliance costs and costs to consumers due to increases in cement prices.