

Category 3 Marine Diesel Rule - Facts & Figures

Facts	Figures
Air Pollution from Category 3 Marine (Inventory)	
Percentage of mobile source PM-2.5 from Category 3 marine, 2009 (2030 projection)	17% (48%)
Percentage of mobile source NOx from Category 3 marine, 2009 (2030 projection)	25% (40%)
Percentage of mobile source SOx from Category 3 marine, 2009 (2030 projection)	80% (95%)
Industry Characterization	
Number of vessel calls on U.S. ports each year by ships (>10,000 DWT)	>64,000
Percentage of vessel calls to U.S. ports that are made by foreign-flagged vessels	88%
Environmental Benefits of Coordinated Strategy in 2030	
Annual reductions of Fine PM (PM2.5)	143,000 tons
Annual reductions of NOx	1,200,000 tons
Annual reductions of SOx	1,300,000 tons
Public Health Benefits - In 2030, the Coordinated Strategy Will Annually Prevent:	
Premature deaths	12,000-31,000
Hospitalizations (including emergency room visits)	20,000
Heart attacks	20,000
Children's asthma-related emergency room visits	7,000
Cases of respiratory problems in children	370,000
Work days lost	1.4 million
Cases of asthma symptoms in children	200,000
Days that adults have to restrict activity because of their respiratory systems	9.6 million
Annual Costs and Benefits in 2030	
Annual cost of program	\$3.1 billion
Annual monetary value of benefits	\$110-270 billion