

**POSSIBLE YEARLY REDUCTIONS USING  
"OMSTAR D-1280X"**

	<u>CURRENT LEVELS</u>	<u>AFTER "OMSTAR D-1280X"</u>	<u>REDUCTION OF:</u>
GALLONS FUEL CONSUMED=	1,290,410,000	1,196,984,100	<u>93,425.680</u>
HC EMISSIONS IN TONS=	33,605.55	20,576.66	<u>13,028.89</u>
CO EMISSIONS IN TONS=	356,469.95	260,294.36	<u>96,175.59</u>
NO <sub>x</sub> EMISSIONS IN TONS=	106,605.55	87,715.05	<u>18,890.05</u>
PM EMISSIONS IN TONS=	23,546.15	19,651.62	<u>3,894.53</u>

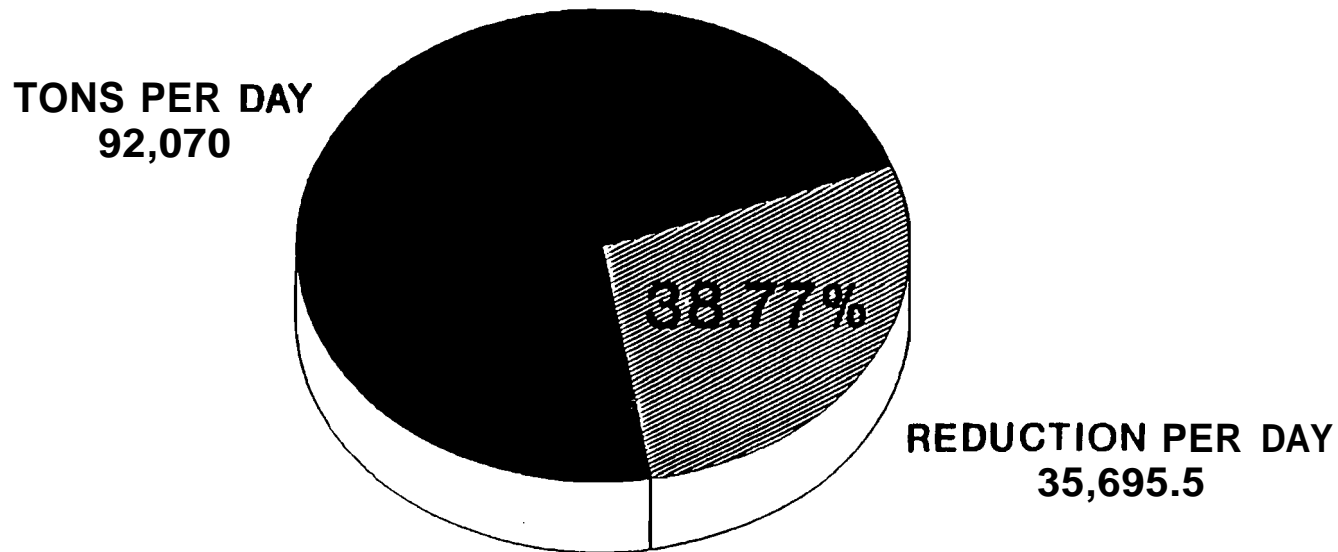
## OMSTAR DIESEL FUEL CONDITIONER D-1280X

FUEL TYPE DIESEL 12, GAS a FUEL ADDITIVES	TIMEFRAME	COMMENTS Baseline	COST/GALLON (public/private)	MILEAGE (increase)	NOx	EMISSION REDUCTIONS			CO2	SMOKE OPACITY	
						HC	CO	PM			
Indolene Test Fuel Gasoline	87-91	Gasoline Light Duty (2-veh.) C.E.E. (E.P.A. RECOGNIZED LAB)	M.03	5.50%	-48.00%	-52.50%	-48.00%	n/a	-3.50%	n/a	
Certification Diesel	1987	Light Duty Diesel Vehicles (3 veh.) C.A.R.B., OLSEN (E.P.A. RECOGNIZED LABS)	\$0.03	4.70%	-5.50%	-1800%	-1.50%	-20.0096	n/a	n/a	
Base was 12 Diesel	87-92	H.D. 6 Med. Duty Diesel (936 veh.) In-Field Fleet Testing (non-controlled)	\$0.03	12.03%	n/a	n/a	n/a	n/a	n/a	-51.38%	
Certification Diesel	1988-1989	H.D. Diesel Utility Trucks (C.A.R.B.) (8 veh.) E.P.A. RECOGNIZED LAB	\$0.03	4.1%	5.0%	-23.0%	-5.5%	-4.0%	n/a	n/a	
<b>MARINE TESTS</b>											
Base was #2 Diesel	1990	Los Angeles Harbor Department (1 ship) C.E.E. (E.P.A. RECOGNIZED LAB)	\$0.03	1.5 gal/hr	n/a	n/a	n/a	n/a	n/a	-63.0%	
<b>ENGINE DYNO TESTS</b>											
Base was PEMEX 12 Diesel	1992	Detroit W-92 Coach Engine on Dyno Advanced Combustion Technology	\$0.03	2.00%	-0.70%	-41.70%	-25.90%	-28.10%	n/a	n/a	
<b>AVERAGES</b>		<b>TOTAL VEHICLES</b>	<b>943</b>	<b>\$0.03</b>	<b>7.24%</b>	<b>-17.72%</b>	<b>-38.77%</b>	<b>-26.98%</b>	<b>-18.54%</b>	<b>-7.00%</b>	<b>-52.1%</b>

C.A.R.B. = California Air Resources Board, C.E.E. = California Environmental Engineering, E.P.A. = Environmental Protection Agency, Olsen = Olsen Engineering

# POSSIBLE HYDROCARBON REDUCTION USING "OMSTAR D-1280X"

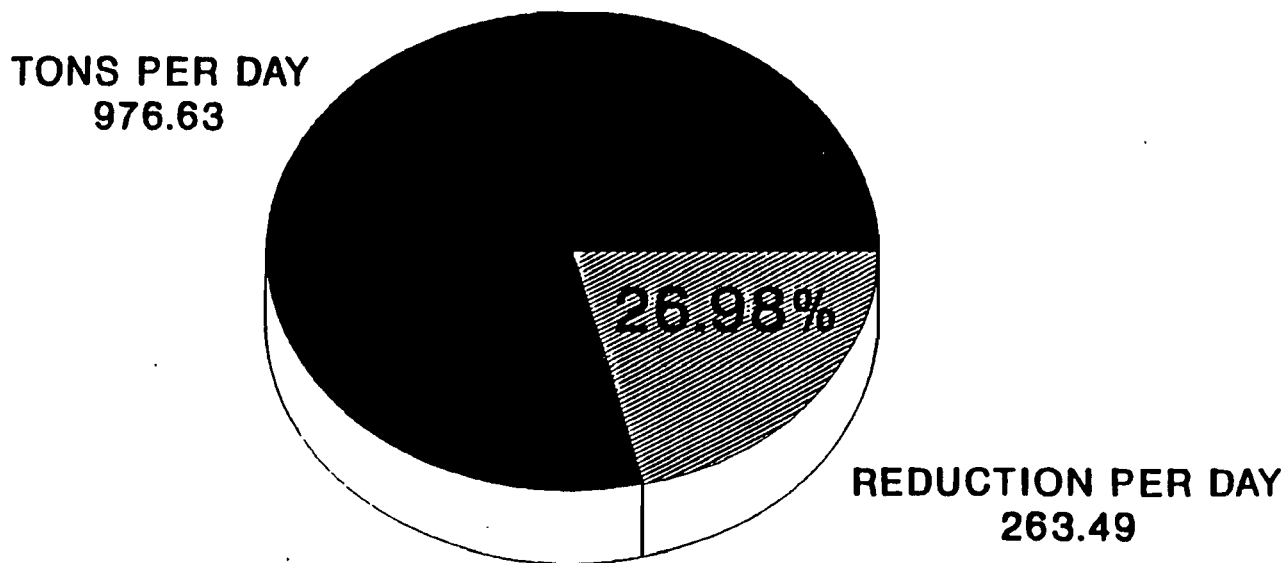
**APPROX. TONS PER DAY**



**BUSES, TRUCKS, AUTOMOBILES AND  
OTHER ON-ROAD VEHICLES IN THE  
SOUTH COAST AIR BASIN**

# POSSIBLE CARBON MONOXIDE REDUCTION USING "OMSTAR D-1280X"

APPROX. TONS PER DAY

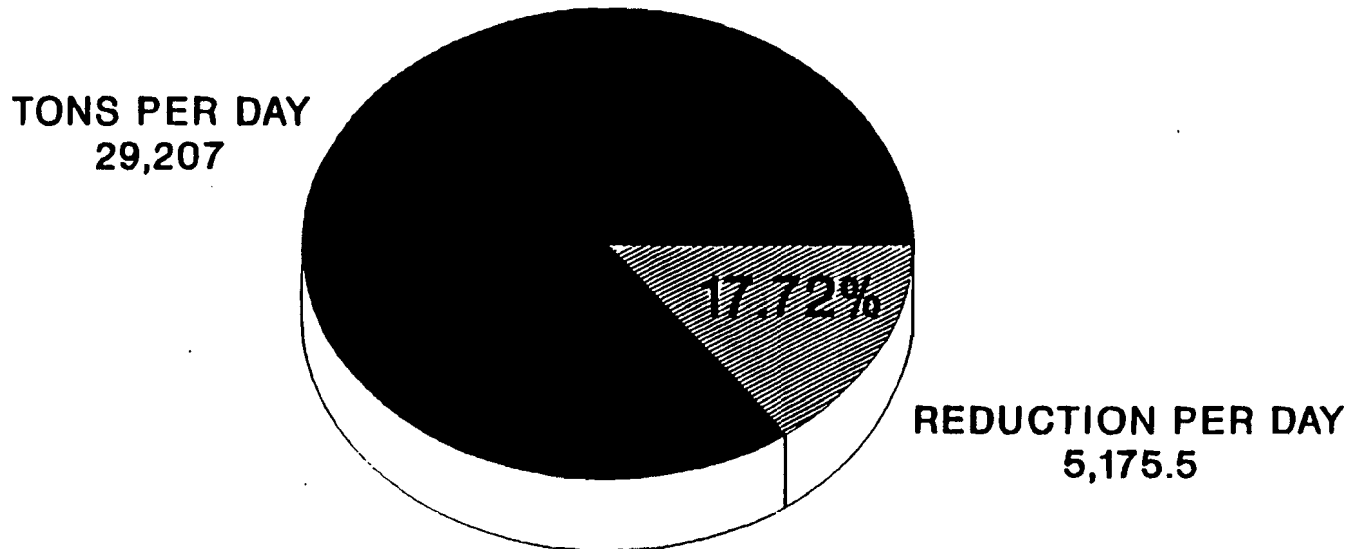


BUSES, TRUCKS, AUTOMOBILES AND  
OTHER ON-ROAD VEHICLES IN THE  
SOUTH COAST AIR BASIN

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# POSSIBLE NITRIC OXIDE REDUCTION USING "OMSTAR D-1280X"

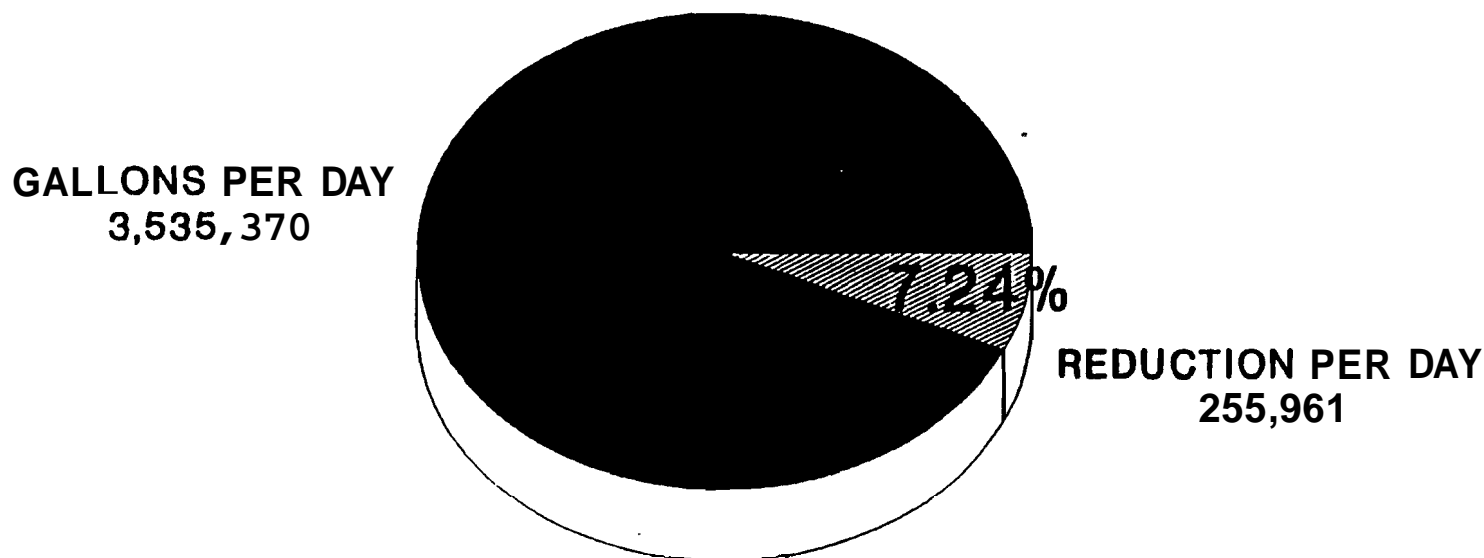
APPROX. TONS PER DAY



BUSES, TRUCKS, AUTOMOBILES AND  
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# POSSIBLE FUEL REDUCTION USING "OMSTAR D-1280X"

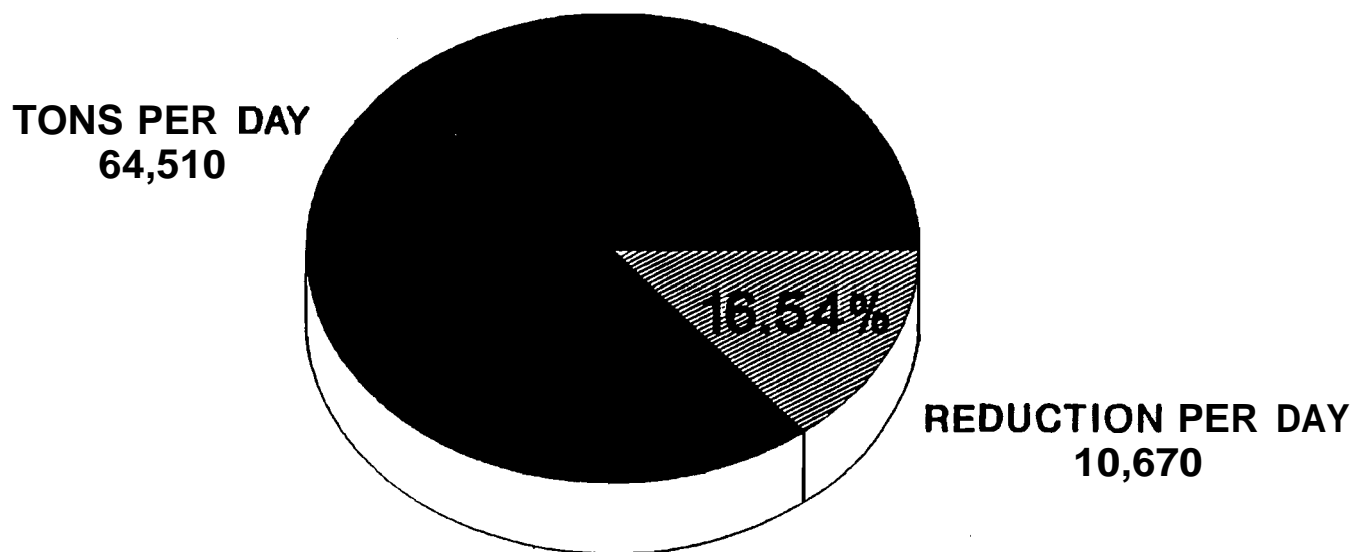
APPROX. GALLONS USED PER DAY



BUSES, TRUCKS, AUTOMOBILES AND  
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# POSSIBLE PARTICULATE MATTER REDUCTION USING "OMSTAR D-1280X"

APPROX. TONS PER DAY



BUSES, TRUCKS, AUTOMOBILES AND  
OTHER ON-ROAD VEHICLES IN THE  
SOUTH'COAST AIR BASIN