

TOTAL PETROLEUM-BASED FUELD CONSUMPTION ESTIMATES FOR WESTCHESTER COUNTY
(Gallons Annually)

Gasoline consumed by automobiles	406,951,890	60.9%
Diesel fuel consumed by commercial vehicles	34,105,305	5.1%
Heating oil consumed by residential units	117,719,434	17.6%
Heating oil consumed by commercial buildings	79,973,937	12.0%
Petroleum-based fuels dispensed at Westchester County Airport	30,000,000	4.5%
Total Petroleum-based fuels consumed in Westchester (estimated)	668,750,566	100.0%

MOTOR VEHICLE FUEL CONSUMPTION

ACTIVE MOTOR VEHICLE REGISTRATIONS BY TYPE

Standard Series Automobile (SA)
Commercial Vehicles (CV)

Taxi
Rental
Bus
Motorcycle
Moped
Ambulance
Farm
Trailer

	WESTCHESTER COUNTY 2005	WESTCHESTER COUNTY 2004	ORANGE COUNTY 2004	NEW YORK STATE 2004
Standard Series Automobile (SA)	595,830	596,969	234,409	8,701,818
Commercial Vehicles (CV)	23,635	23,519	23,625	977,499
Taxi	3,678	3,245	378	
Rental	528	526	298	
Bus	1,262	1,192	703	
Motorcycle	11,957	11,618	8,789	
Moped	486	461	173	
Ambulance	113	114	108	
Farm	11	7	344	
Trailer	8,137	8,056	10,908	
TOTAL VEHICLE REIGSTRATIONS	645,637	645,707	279,735	
GALLONS OF GASOLINE CONSUMED	406,951,890	407,729,827	160,000,000	5,830,000,000
GALLONS PER STANDARD SERIES AUTOMOBILE (SA)	683	683	683	683
GALLONS OF DIESEL FUEL CONSUMED	34,105,305	33,937,917	34,090,875	1,411,000,000
GALLONS OF DIESEL FUEL CONSUMED PER COMMERCIAL VEHICLE (CV)	1,443	1,443	1,443	1,443
PETROLEUM FUELS CONSUMED BY (SA) AND (CV)	406,953,333	407,731,270	160,001,443	5,830,001,443

Sources: Black type: NYS DMV statistics
Blue Italics: WCDOT estimates derived from NYS averages
Bold Brown type: Orange County Consumer Affairs website
Bold Green Type: NYS DOT Office of Policy and Performance

HOME HEATING FUEL CONSUMPTION

HOUSING UNITS BY HEATING FUEL USED (2000)

Fuel Oil or Kerosene
Coal or Coke
Wood
Utility Gas
Bottled, tank or LP gas
Electricity
Solar
Other
No Fuel Used

TOTAL HOUSING UNITS

	WESTCHESTER COUNTY 2000	% OF TOTAL		NEW YORK STATE 2000
Fuel Oil or Kerosene	158,438	47.0%		
Coal or Coke	302	0.1%		
Wood	263	0.1%		
Utility Gas	140,518	41.7%		
Bottled, tank or LP gas	6,298	1.9%		
Electricity	27,770	8.2%		
Solar	46	0.0%		
Other	2,114	0.6%		
No Fuel Used	1,393	0.4%		
TOTAL HOUSING UNITS	337,142	100.0%		

GALLONS OF HEATING FUEL CONSUMED PER UNIT
 GALLONS OF HEATING FUEL CONSUMED

743		743
117,719,434		2,200,000,000

Sources: Westchester data: US Department of Commerce, Bureau of the Census, 1990 Census of Population and Housing, SF1
 NYS data: US Department of Energy, Energy Information Administration, Middle Atlantic Data Abstract

NONRESIDENTIAL FUEL CONSUMPTION

Includes all Commercial, Industrial, Institutional and Public Buildings

	SQUARE FOOTAGE	SPACE ADDED DURING PERIOD	ANNUAL AVERAGE ADDED
Total Nonresidential floor space in Westchester County (2005) <i>(estimated)</i>	251,000,000	16,000,000	1,000,000
Total Nonresidential floor space in Westchester County (1991)	235,000,000	33,000,000	2,750,000
Total Nonresidential floor space in Westchester County (1980)	202,000,000	28,000,000	3,111,111
Total Nonresidential floor space in Westchester County (1972)	174,000,000		
% of buildings using oil as heating fuel (Middle Atlantic States Average, 1995)	(29%)		
% of building using oil as heating fuel (Westchester estimate comparable to residential)	47%		
Commercial Floor space using oil as heating fuel	117,970,000		
Combined fuel oil intensity (btu per square foot) [DOE, EIA, 1999]	90,500		
Total BTU used in heating commercial buildings heated with fuel oil	10,676,285,000,000		
BTU per gallon of fuel oil	138,700		
Fuel Oil used in heating Commercial Buildings	76,973,937		

Sources: Square footage (WCDDP Commercial and Public Construction 1980-1991)
 Energy intensity and commercial building use, US DOE, EIA, 1999