

2017 NEW YORK STATE ENERGY FAST FACTS

PRIMARY ENERGY CONSUMPTION

1.5% lower than 2016

Primary consumption (4.1% of U.S. total) (trillion Btu).....	3,740.9
By sector:	
Residential..... (15.8%).....	591.6
Commercial..... (10.4%).....	390.8
Industrial..... (5.4%).....	200.9
Transportation..... (31.6%).....	1,180.7
Electric Generation..... (36.8%).....	1,376.9

By fuel type:

Petroleum..... (36.0%).....	1,348.3
Natural Gas..... (34.2%).....	1,280.1
Nuclear..... (11.8%).....	441.0
Hydro..... (6.6%).....	246.5
Net Imported Electricity..... (5.8%).....	216.7
Other ¹ (5.0%).....	188.7
Coal..... (0.5%).....	19.6

Primary consumption per capita (million Btu)..... 193.1

NET ENERGY CONSUMPTION AND EXPENDITURES

Net Energy Consumption (trillion Btu) Estimated Expenditures (billion dollars)

Total:.....	2,858.7	\$53.4
By sector:		
Residential..... (26.6%).....	759.1	(30.9%).....\$16.5
Commercial..... (22.7%).....	647.8	(26.2%).....\$14.0
Industrial..... (9.2%).....	261.7	(2.5%).....\$1.3
Transportation..... (41.6%).....	1,190.1	(40.4%).....\$21.6

By fuel type:

Petroleum..... (47.0%).....	1,342.8	(45.2%).....\$24.2
Natural Gas..... (30.9%).....	882.7	(15.5%).....\$8.3
Electricity..... (17.3%).....	494.7	(38.8%).....\$20.7
Other ¹ (4.4%).....	125.2	(0.3%).....\$0.2
Coal..... (0.5%).....	13.3	(0.1%).....<\$0.1

Estimated energy expenditures leaving the State (billions).....\$26.6

AVERAGE ENERGY PRICES

	2017	2016
Gasoline - all grades (gallon).....	\$2.42	\$2.18
Heating Oil (gallon).....	\$2.53	\$2.28
Natural Gas (thousand cubic feet)		
Residential.....	\$12.04	\$10.85
Commercial.....	\$6.87	\$6.19
Industrial.....	\$7.21	\$5.92
Electricity (kilowatt-hour)		
Residential.....	18.0¢	17.6¢
Commercial.....	14.8¢	14.4¢
Industrial.....	5.9¢	6.0¢

GREENHOUSE GAS EMISSIONS FROM FUEL COMBUSTION

Total (million metric tons of CO₂ equivalent)..... 157.7

By sector:

Residential..... (20.1%).....	31.7
Commercial..... (13.4%).....	21.1
Industrial..... (5.1%).....	8.1
Transportation..... (43.1%).....	68.0
Electric Generation..... (18.2%).....	28.8

By fuel type:

Petroleum..... (53.8%).....	
Natural Gas..... (45.0%).....	
Coal..... (1.2%).....	

Greenhouse gas emissions per capita (metric tons of CO₂ equivalent)..... 8.1

¹Ethanol (47.9 Tbtu) is included in "Other" totals and also as a component of motor gasoline. Total consumption and percentages are based on ethanol only as "Other."

ELECTRICITY

Sales decreased 1.9% from 2016

Sales to ultimate consumers (gigawatt-hours) 144,992

By sector:

Residential..... (33.9%).....	49,081
Commercial..... (52.0%).....	75,333
Industrial..... (12.3%).....	17,811
Transportation..... (1.9%).....	2,767

In-State Generation (gigawatt-hours)..... 131,183

By fuel type:

Nuclear..... (27.0%).....	42,175
Natural Gas..... (32.1%).....	50,270
Hydro..... (19.4%).....	30,350
Net Imported Electricity..... (17.1%).....	26,680
Coal..... (0.4%).....	567
Petroleum..... (0.4%).....	636
Other..... (1.9%).....	2,966
Wind..... (2.7%).....	4,219

PETROLEUM

Consumption decreased 2.8% from 2016

Consumption (3.6% of U.S. total) (million barrels)..... 247.6

By sector:

Residential..... (8.0%).....	20.6
Commercial..... (4.1%).....	10.3
Industrial..... (5.7%).....	12.7
Transportation..... (81.8%).....	203.1
Electric Generation..... (0.4%).....	0.9

In-State production (thousand barrels)..... 184.0

NATURAL GAS

Consumption decreased 4.3% from 2016

Consumption (4.6% of U.S. total) (billion cubic feet)..... 1,240.4

By sector:

Residential..... (34.9%).....	446.5
Commercial..... (25.0%).....	320.3
Industrial..... (6.7%).....	85.7
Transportation..... (2.4%).....	30.3
Electric Generation..... (31.0%).....	397.4

In-State production (billion cubic feet) 11.4

ADDITIONAL 2017 STATISTICS

Population (6.1% of U.S. total) (million).....	19.8
Number of housing units (million).....	8.3
Gross State Product (billion 2017 dollars).....	\$1,604.1
Motor vehicle registrations (million).....	10.9
Vehicle miles of travel (billion miles).....	123.7
Heating degree-days (increased 2.6% from 2016).....	5,790
Cooling degree-days (decreased 28.0% from 2016).....	575

Note: Totals may not sum exactly due to rounding.

DATA SOURCE

NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY

17 Columbia Circle

Albany, NY 12203-6399

nyserda.ny.gov • info@nyserda.ny.gov

nyserda.ny.gov/patterns-and-trends

local: 518-862-1090 • toll free: 1-866-NYSERDA



NEW YORK
STATE OF
OPPORTUNITY.

NYSERDA