

2020 NEW YORK STATE ENERGY FAST FACTS

2020 represents the first year of the COVID-19 Public Health Emergency. As a result of the global, national, and state efforts to limit the spread of the virus, energy use patterns were significantly impacted and should not be considered structural changes to the NY Energy profile.

PRIMARY ENERGY CONSUMPTION

12.6% lower than 2019

Primary consumption (3.8% of U.S. total) (trillion Btu).....3,364.5

By sector:

Residential.....	(17.8%)	598.1
Commercial.....	(10.9%)	366.4
Industrial.....	(5.6%)	188.8
Transportation.....	(27.1%)	910.9
Electric Generation.....	(38.6%)	1,300.2

By fuel type:

Petroleum.....	(31.6%)	1,062.7
Natural Gas.....	(38.8%)	1,305.3
Nuclear.....	(11.9%)	401.3
Hydro.....	(7.0%)	236.8
Net Imported Electricity.....	(4.7%)	156.9
Other ¹	(5.8%)	195.8
Coal.....	(0.2%)	5.7

Primary consumption per capita (million Btu)..... 166.0

NET ENERGY CONSUMPTION AND EXPENDITURES

Net Energy Consumption (trillion Btu)	Estimated Expenditures (billion dollars)
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Total:.....2,543.3.....\$47.1

By sector:

Residential.....	(30.5%)	776.4	(36.7%)	\$17.3
Commercial.....	(23.7%)	601.8	(26.7%)	\$12.6
Industrial.....	(9.7%)	245.5	(3.7%)	\$1.8
Transportation.....	(36.2%)	919.6	(32.9%)	\$15.5

By fuel type:

Petroleum.....	(41.7%)	1,060.4	(37.3%)	\$17.6
Natural Gas.....	(34.1%)	868.4	(18.0%)	\$8.5
Electricity.....	(18.8%)	479.1	(44.3%)	\$20.9
Other ¹	(5.2%)	131.4	(0.3%)	\$0.2
Coal.....	(0.2%)	4.0	(<0.1%.)	<\$0.1

Estimated energy expenditures leaving the State (billions).....\$17.0

AVERAGE ENERGY PRICES

	2020	2019
Gasoline - all grades (gallon).....	\$2.15	\$2.52
Heating Oil (gallon).....	\$2.16	\$2.64
Natural Gas (thousand cubic feet)		
Residential.....	\$12.86	\$12.71
Commercial.....	\$6.92	\$ 7.26
Industrial.....	\$7.03	\$ 7.76
Electricity (kilowatt-hour)		
Residential.....	18.3¢	17.9¢
Commercial.....	14.6¢	14.1¢
Industrial.....	5.5¢	5.6¢

2020 KEY ENERGY OBSERVATIONS

- COVID-19 pandemic lockdowns began in March 2020 and continued throughout the year.
 - Most rapid decline in consumption since the oil embargo during the 1980s.
 - Transportation sector consumption significantly declined.
 - Lowest state primary and net consumption since the early 1960s.
- Annualized data for prices do not capture the market dynamics observed during this period of high market volatility.

¹Ethanol (40.4 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 3.6% from 2019

Sales to ultimate consumers (gigawatt-hours)140,407

By sector:

Residential.....	(37.2%)	52,257
Commercial.....	(49.1%)	68,989
Industrial.....	(11.8%)	16,610
Transportation.....	(1.8%)	2,550

In-State Generation (gigawatt-hours).....131,466

By fuel type:

Nuclear.....	(25.6%)	38,437
Natural Gas.....	(36.0%)	54,094
Hydro.....	(20.1%)	30,156
Net Imported Electricity.....	(13.3%)	19,990
Coal.....	(0.1%)	146
Petroleum.....	(1.5%)	2,189
Other.....	(1.5%)	2,281
Wind.....	(2.8%)	4,163

PETROLEUM

Consumption decreased 22.9% from 2019

Consumption (3.7% of U.S. total) (million barrels) 208.6

By sector:

Residential.....	(9.9%)	20.7
Commercial.....	(4.3%)	9.1
Industrial.....	(11.3%)	23.6
Transportation.....	(74.2%)	154.9
Electric Generation.....	(0.2%)	0.4

In-State production (thousand barrels) 238.0

NATURAL GAS

Consumption decreased 2.6% from 2019

Consumption (4.1% of U.S. total) (billion cubic feet).....1,263.6

By sector:

Residential.....	(34.6%)	437.1
Commercial.....	(22.9%)	288.9
Industrial.....	(6.9%)	89.5
Transportation.....	(2.2%)	27.6
Electric Generation.....	(33.5%)	423.4

In-State production (billion cubic feet) 9.7

ADDITIONAL 2020 STATISTICS

Population (6.1% of U.S. total) (million)	20.2
Number of housing units (million).....	8.5
Gross State Product (billion 2020 dollars).....	\$1,699.0
Motor vehicle registrations (million)	11.3
Vehicle miles of travel (billion miles).....	102.5
Heating degree-days (decreased 8.9% from 2019).....	5,634
Cooling degree-days (increased 26.7% from 2019)	755

Note: Totals may not sum exactly due to rounding.

DATA SOURCE

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