

## SECTION 1

### **NEW YORK STATE ENERGY DEMAND**

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This section presents data on forecasted (primary and net) energy consumption in New York, by sector and fuel type, from 2000 through 2021. The 2000 data are actual.

Energy is shown by fuel type, in TBtus. Total forecasted *primary* energy use by sector (residential, commercial, industrial, transportation, and electric generation) is presented for the 21-year forecast period.

Electricity generation data does not include station use. End-use by apartment buildings and institutional facilities is included in the commercial sector.

# New York State Forecast of Primary Energy Use by Fuel Type, 2000-2021

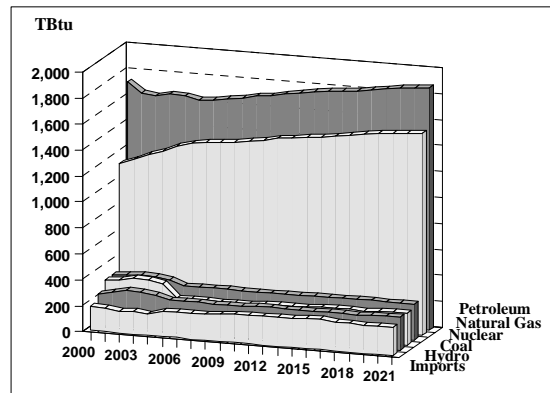


Table 1-1 (in trillion Btu)

<u>Year</u>	<u>Coal</u> TBtu	<u>Natural</u> <u>Gas</u> TBtu	<u>Petroleum</u> <u>Products</u> TBtu	<u>Hydro</u> TBtu	<u>Nuclear</u> TBtu	<u>Other</u> TBtu	<u>Net</u> <u>Imported</u> <u>Electricity</u> TBtu	<u>Total</u> TBtu
2000	311.3	1135.1	1725.0	242.9	315.8	32.3	186.3	3948.7
2001	325.0	1174.0	1647.9	268.1	321.7	33.9	180.6	3951.0
2002	343.0	1214.6	1634.0	293.5	327.7	35.5	174.9	4023.2
2003	342.6	1246.3	1653.4	289.1	323.9	35.5	185.5	4076.4
2004	322.1	1299.4	1646.1	275.6	310.3	35.6	164.1	4053.1
2005	217.5	1331.7	1628.6	247.9	277.4	35.5	195.9	3934.6
2006	218.1	1346.0	1641.9	246.6	275.7	35.6	199.6	3963.4
2007	218.7	1357.3	1655.9	245.4	274.0	35.6	203.2	3990.3
2008	218.5	1362.1	1673.5	244.3	272.4	35.6	206.9	4013.3
2009	221.5	1388.0	1694.3	245.9	273.9	35.6	212.8	4071.9
2010	224.4	1404.0	1712.7	247.7	274.5	35.6	218.9	4117.9
2011	227.5	1422.6	1731.0	249.3	275.8	35.6	224.8	4166.6
2012	230.4	1430.9	1747.2	250.6	277.9	35.6	230.7	4203.3
2013	233.4	1446.1	1764.1	251.7	278.8	35.6	231.6	4241.3
2014	237.2	1462.0	1778.3	252.8	279.7	35.6	232.5	4278.1
2015	241.1	1477.7	1791.1	253.8	280.6	35.6	233.4	4313.3
2016	242.5	1494.5	1805.9	254.9	281.4	35.6	234.3	4349.0
2017	244.3	1506.4	1819.4	255.3	281.7	35.6	231.1	4373.9
2018	246.5	1520.9	1833.5	255.7	282.1	35.6	228.0	4402.2
2019	248.7	1535.3	1851.0	256.1	282.4	35.6	224.8	4433.8
2020	249.6	1545.4	1863.0	256.4	282.7	35.6	221.6	4454.4
2021	250.5	1555.5	1875.1	256.8	283.0	35.7	218.4	4475.1
<b>Total Growth</b>	<b>-19.52%</b>	<b>37.03%</b>	<b>8.70%</b>	<b>5.75%</b>	<b>-10.38%</b>	<b>10.38%</b>	<b>17.22%</b>	<b>13.33%</b>

# New York State Forecast of Primary Use of Refined Petroleum Products, 2000-2021

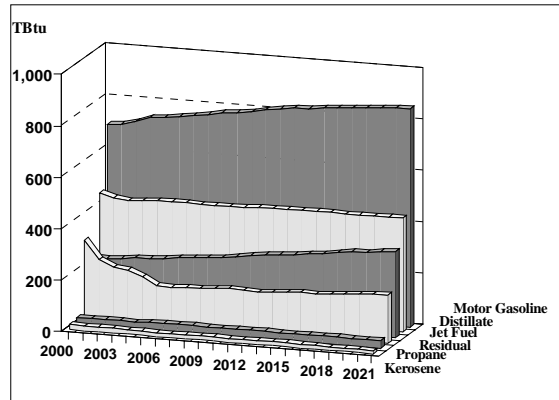


Table 1-2 (in trillion Btu)

<u>Year</u>	<u>Distillate TBtu</u>	<u>Residual TBtu</u>	<u>Kerosene TBtu</u>	<u>Propane TBtu</u>	<u>Motor Gasoline TBtu</u>	<u>Jet Fuels TBtu</u>	<u>Total Petroleum Products TBtu</u>
2000	449.4	304.6	19.6	28.9	696.7	225.3	1725.0
2001	435.7	240.4	19.9	29.2	702.9	219.8	1647.9
2002	430.7	211.5	19.8	29.5	717.4	225.2	1634.0
2003	434.8	205.3	18.9	29.8	733.4	231.3	1653.4
2004	436.6	183.5	18.2	30.0	742.1	235.5	1646.1
2005	437.7	151.5	17.7	30.3	750.8	240.5	1628.6
2006	438.1	153.4	17.3	30.7	757.5	244.9	1641.9
2007	438.2	155.1	17.0	31.0	765.3	249.3	1655.9
2008	439.3	155.9	16.8	31.3	774.7	255.6	1673.5
2009	439.3	160.1	16.5	31.6	784.4	262.4	1694.3
2010	439.7	162.5	16.2	31.9	793.2	269.2	1712.7
2011	442.5	161.8	16.1	32.1	802.0	276.5	1731.0
2012	444.6	161.5	16.0	32.2	810.2	282.8	1747.2
2013	445.2	164.5	15.8	32.4	817.4	288.8	1764.1
2014	445.4	167.2	15.6	32.5	822.8	294.8	1778.3
2015	445.0	169.5	15.4	32.7	827.7	300.8	1791.1
2016	445.6	171.8	15.3	32.9	832.9	307.4	1805.9
2017	445.7	174.0	15.1	33.0	837.6	314.1	1819.4
2018	446.1	176.9	14.9	33.2	841.8	320.5	1833.5
2019	446.4	183.0	14.8	33.4	846.5	326.9	1851.0
2020	446.8	185.8	14.7	33.6	849.7	332.5	1863.0
2021	447.3	188.5	14.7	33.7	852.8	338.1	1875.1
<b>Total Growth</b>	<b>-0.59%</b>	<b>-38.10%</b>	<b>-25.19%</b>	<b>16.71%</b>	<b>22.41%</b>	<b>50.08%</b>	<b>8.70%</b>

# New York State Forecast of Primary Energy Use by Sector, 2000-2021

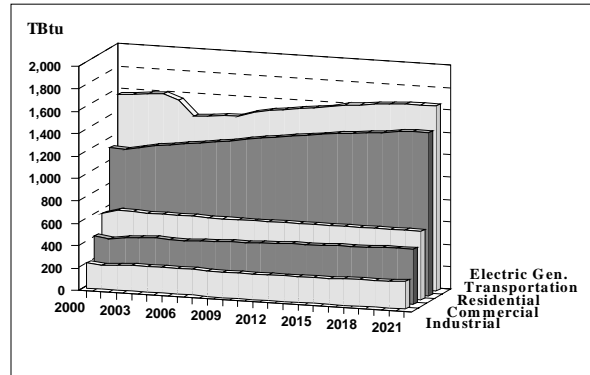


Table 1-3 (in trillion Btu)

Year	Residential TBtu	Commercial TBtu	Industrial TBtu	Transportation TBtu	Electric Generation TBtu	Total Primary TBtu
2000	593.1	424.7	234.5	1126.6	1569.9	3948.7
2001	620.0	409.5	212.3	1126.2	1583.2	3951.0
2002	624.8	425.6	223.9	1150.4	1598.4	4023.2
2003	626.6	436.8	231.5	1177.8	1603.7	4076.4
2004	626.8	443.5	233.9	1195.1	1553.9	4053.1
2005	622.6	445.3	236.2	1213.2	1417.4	3934.6
2006	620.8	448.3	236.1	1227.4	1431.0	3963.4
2007	617.5	451.7	232.7	1243.3	1445.0	3990.3
2008	616.8	455.1	233.0	1262.5	1445.9	4013.3
2009	612.8	458.5	233.8	1283.0	1483.8	4071.9
2010	610.3	463.1	233.6	1302.4	1508.5	4117.9
2011	610.5	467.8	232.1	1322.7	1533.5	4166.6
2012	612.2	472.4	232.4	1340.3	1546.0	4203.3
2013	610.6	476.4	233.9	1356.2	1564.2	4241.3
2014	611.0	479.5	234.8	1369.8	1583.0	4278.1
2015	610.5	482.6	235.8	1382.5	1601.8	4313.3
2016	612.4	485.4	236.9	1396.2	1618.2	4349.0
2017	611.1	487.7	238.2	1409.2	1627.7	4373.9
2018	611.8	489.8	238.5	1421.5	1640.6	4402.2
2019	612.4	492.1	241.7	1434.1	1653.5	4433.8
2020	614.7	495.0	244.8	1443.8	1656.1	4454.4
2021	617.0	497.9	247.8	1453.5	1658.7	4475.1
<b>Total Growth</b>	<b>4.04%</b>	<b>17.25%</b>	<b>5.69%</b>	<b>29.01%</b>	<b>5.66%</b>	<b>13.33%</b>

# New York State Forecast of Electricity Sales by Sector, 2000-2021

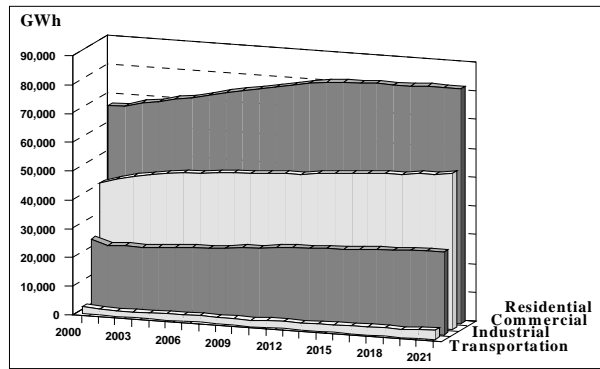


Table 1-4 (in gigawatt hours)

<u>Year</u>	<u>Residential GWh</u>	<u>Commercial GWh</u>	<u>Industrial GWh</u>	<u>Transportation GWh</u>	<u>Total GWh</u>
2000	41970	67075	24109	2600	135754
2001	43640	67094	22576	2663	135974
2002	44881	68646	22746	2726	138998
2003	46364	69695	22735	2796	141590
2004	47013	70819	23128	2864	143825
2005	47572	72012	23518	2927	146030
2006	48019	73137	23753	2989	147897
2007	48460	74409	24133	3044	150046
2008	48873	75594	24558	3100	152125
2009	49235	76704	24998	3164	154102
2010	49545	77775	25531	3229	156080
2011	49846	78792	26063	3296	157998
2012	50208	79785	26363	3375	159731
2013	50630	80634	26723	3453	161440
2014	51112	81079	27031	3524	162746
2015	51601	81282	27372	3618	163874
2016	51958	81417	27696	3712	164782
2017	52361	81506	28004	3804	165675
2018	52790	81600	28309	3918	166618
2019	53259	81691	28598	4032	167581
2020	53728	81776	28793	4139	168436
2021	54196	81861	28988	4246	169291
<b>Total Growth</b>	<b>29.13%</b>	<b>22.04%</b>	<b>20.24%</b>	<b>63.65%</b>	<b>24.70%</b>

# New York State Forecast of Energy Use by Sector and Total, 2000-2021

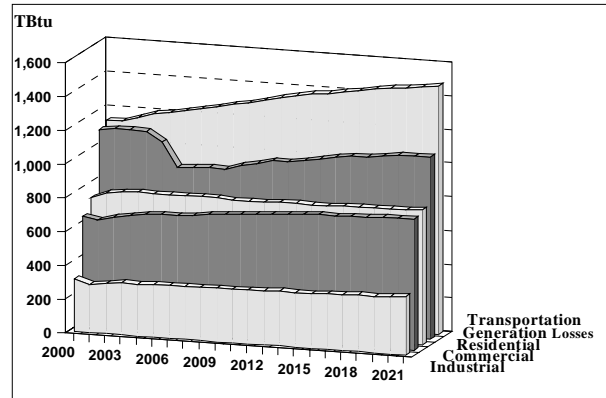


Table 1-5 (trillion Btu)

<u>Year</u>	<u>Residential</u> TBtu	<u>Commercial</u> TBtu	<u>Industrial</u> TBtu	<u>Transportation</u> TBtu	<u>Total Use</u> TBtu	<u>Electric</u> <u>Generation</u> <u>Losses</u> TBtu	<u>Primary</u> <u>Demand</u> TBtu
2000	736.2	653.4	316.9	1135.5	2613.8	1334.9	3948.7
2001	769.3	642.5	289.5	1135.3	2603.6	1347.5	3951.0
2002	778.3	663.6	301.7	1159.7	2665.4	1357.8	4023.2
2003	785.2	678.5	309.2	1187.3	2718.6	1357.8	4076.4
2004	787.5	688.9	313.0	1204.9	2748.9	1304.2	4053.1
2005	785.3	694.7	316.6	1223.2	2770.4	1164.2	3934.6
2006	785.0	701.4	317.3	1237.6	2788.1	1175.3	3963.4
2007	783.3	709.1	315.3	1253.7	2803.9	1186.3	3990.3
2008	783.9	716.5	317.0	1273.1	2829.1	1184.1	4013.3
2009	781.2	723.4	319.3	1293.9	2852.8	1219.1	4071.9
2010	779.8	731.4	320.9	1313.5	2877.2	1240.7	4117.9
2011	781.0	739.4	321.3	1334.0	2582.7	1583.9	4166.6
2012	783.9	747.2	322.6	1351.9	2930.7	1272.6	4203.3
2013	783.8	753.9	325.2	1368.1	2953.5	1287.8	4241.3
2014	785.8	758.4	327.3	1381.8	2974.5	1303.7	4278.1
2015	786.9	762.0	329.5	1394.9	2993.9	1319.4	4313.3
2016	790.1	765.1	331.7	1408.9	3016.0	1333.0	4349.0
2017	790.2	767.7	334.0	1422.3	3034.1	1339.8	4373.9
2018	792.3	770.0	335.3	1435.0	3052.4	1349.9	4402.2
2019	794.6	772.6	339.5	1447.9	3074.0	1359.8	4433.8
2020	798.5	775.7	343.2	1457.9	3094.7	1359.7	4454.4
2021	802.4	778.8	347.0	1468.0	3115.3	1359.7	4475.1
<b>Total Growth</b>	<b>8.99%</b>	<b>19.19%</b>	<b>9.48%</b>	<b>29.28%</b>	<b>19.19%</b>	<b>1.86%</b>	<b>13.33%</b>

# New York State Electric Generation, Forecast of Fuel Use by Type 2000-2021

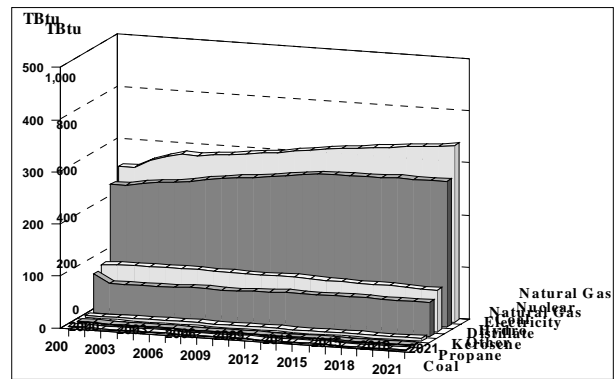


Table 1-6a (in trillion Btu)

Year	Coal TBtu	Natural Gas TBtu	Distillate TBtu	Residual TBtu	Total Petroleum TBtu	Hydro TBtu	Nuclear TBtu	Other TBtu	Imports TBtu	Total TBtu
2000	251.1	381.2	11.6	148.6	160.2	242.9	315.8	32.3	186.3	1569.8
2001	268.2	389.4	8.4	112.7	121.1	268.1	321.7	33.9	180.6	1583.1
2002	285.4	397.5	1.9	82.1	84.0	293.5	327.7	35.5	174.9	1598.4
2003	285.1	406.9	1.6	76.0	77.6	289.1	323.9	35.5	185.5	1603.7
2004	264.7	448.8	1.8	53.2	54.9	275.6	310.3	35.6	164.1	1553.9
2005	160.1	478.6	1.5	20.4	21.9	247.9	277.4	35.5	195.9	1417.4
2006	160.9	489.9	1.1	21.6	22.7	246.6	275.7	35.6	199.6	1431.0
2007	161.7	501.3	1.0	22.7	23.8	245.4	274.0	35.6	203.2	1445.0
2008	161.7	501.3	1.0	22.7	23.7	244.3	272.4	35.6	206.9	1445.9
2009	164.9	523.2	0.9	26.6	27.5	245.9	273.9	35.6	212.8	1483.8
2010	168.1	534.2	1.0	28.6	29.5	247.7	274.5	35.6	218.9	1508.5
2011	171.3	545.2	1.0	30.5	31.5	249.3	275.8	35.6	224.8	1533.5
2012	174.5	545.2	1.0	30.5	31.5	250.6	277.9	35.6	230.7	1546.0
2013	177.8	554.5	1.0	33.1	34.1	251.7	278.8	35.6	231.6	1564.2
2014	181.9	563.8	0.9	35.7	36.7	252.8	279.7	35.6	232.5	1583.0
2015	186.0	573.1	1.0	38.3	39.3	253.8	280.6	35.6	233.4	1601.8
2016	187.7	582.4	1.0	41.0	41.9	254.9	281.4	35.6	234.3	1618.2
2017	189.7	589.6	1.0	43.7	44.7	255.3	281.7	35.6	231.1	1627.7
2018	192.2	599.1	1.1	47.0	48.1	255.7	282.1	35.6	228.0	1640.6
2019	194.6	608.5	1.1	50.4	51.5	256.1	282.4	35.6	224.8	1653.5
2020	195.8	611.0	1.1	51.8	52.9	256.4	282.7	35.6	221.6	1656.1
2021	197.0	613.6	1.1	53.2	54.3	256.8	283.0	35.7	218.4	1658.7
<b>Total Growth</b>	<b>-21.55%</b>	<b>60.95%</b>	<b>-90.44%</b>	<b>-64.22%</b>	<b>-66.12%</b>	<b>5.75%</b>	<b>-10.38%</b>	<b>10.38%</b>	<b>17.22%</b>	<b>5.67%</b>

Table 1-6b (in trillion Btu)

## High Economic Case

Year	Coal TBtu	Natural Gas TBtu	Distillate TBtu	Residual TBtu	Total Petroleum TBtu	Hydro TBtu	Nuclear TBtu	Other TBtu	Imports TBtu	Total TBtu
2000	251.1	381.2	11.6	148.6	160.2	242.9	315.8	32.3	186.3	1569.8
2006	161.8	515.3	1.9	25.8	27.7	247.2	275.7	36.1	217.1	1480.9
2011	173.3	586.0	1.3	35.2	36.5	248.8	275.8	36.4	264.5	1621.3
2016	193.9	614.0	1.1	45.4	46.4	254.2	281.4	36.7	267.9	1694.6
2021	214.0	603.7	2.1	60.8	62.9	260.3	283.0	37.2	239.0	1700.1
<b>Total Growth</b>	<b>-14.76%</b>	<b>58.37%</b>	<b>-81.90%</b>	<b>-59.08%</b>	<b>-60.74%</b>	<b>7.19%</b>	<b>-10.38%</b>	<b>15.24%</b>	<b>28.26%</b>	<b>8.30%</b>

Table 1-6c (in trillion Btu)

## Low Economic Case

Year	Coal TBtu	Natural Gas TBtu	Distillate TBtu	Residual TBtu	Total Petroleum TBtu	Hydro TBtu	Nuclear TBtu	Other TBtu	Imports TBtu	Total TBtu
2000	251.1	381.2	11.6	148.6	160.2	242.9	315.8	32.3	186.3	1569.8
2006	159.8	468.6	0.0	18.3	18.3	246.1	75.7	31.9	178.1	1178.5
2011	168.5	513.0	0.0	27.0	27.1	247.8	275.8	32.0	200.3	1464.4
2016	181.9	549.0	0.3	37.4	37.7	253.0	277.2	32.5	218.9	1550.2
2021	187.8	571.0	0.3	46.9	47.2	255.5	278.7	33.3	196.7	1570.2
<b>Total Growth</b>	<b>-25.21%</b>	<b>49.79%</b>	<b>-97.41%</b>	<b>-68.44%</b>	<b>-60.74%</b>	<b>5.19%</b>	<b>976.03%</b>	<b>3.01%</b>	<b>5.57%</b>	<b>0.03%</b>

# New York State Forecast of Residential Energy Use by Fuel Type, 2000-2021

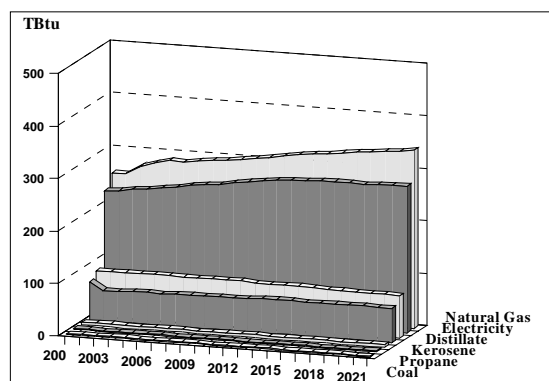


Table 1-7a (in trillion Btu)

Year	Coal TBtu	Natural Gas TBtu	Distillate TBtu	Kerosene TBtu	Propane TBtu	Total Petroleum TBtu	Electricity TBtu	Total TBtu
2000	1.7	361.9	196.7	13.3	19.5	229.5	143.5	736.6
2001	1.5	405.5	179.6	13.6	19.8	213.0	149.2	769.3
2002	1.6	411.4	178.3	13.5	20.0	211.8	153.5	778.3
2003	1.7	415.9	176.2	12.6	20.3	209.1	158.6	785.2
2004	1.7	419.6	173.0	11.8	20.6	205.5	160.8	787.5
2005	1.8	419.1	169.6	11.3	20.9	201.7	162.7	785.3
2006	1.8	419.8	167.1	10.9	21.2	199.2	164.2	785.0
2007	1.8	420.2	163.6	10.5	21.5	195.5	165.7	783.3
2008	1.9	422.0	160.9	10.2	21.8	192.9	167.1	783.9
2009	1.9	421.7	157.2	9.8	22.1	189.1	168.4	781.2
2010	2.0	422.6	153.8	9.5	22.4	185.7	169.4	779.8
2011	2.0	424.1	152.5	9.3	22.6	184.4	170.5	781.0
2012	2.0	427.0	151.4	9.2	22.7	183.2	171.7	783.9
2013	1.9	427.4	149.5	8.9	22.9	181.3	173.2	783.8
2014	1.9	429.3	148.1	8.7	23.0	179.9	174.8	785.8
2015	1.9	430.8	146.0	8.5	23.2	177.7	176.5	786.9
2016	1.9	433.8	145.0	8.4	23.4	176.7	177.7	790.1
2017	1.9	434.3	143.2	8.2	23.5	175.0	179.1	790.2
2018	1.9	436.2	141.9	8.1	23.7	173.7	180.5	792.3
2019	1.9	438.0	140.7	8.0	23.9	172.5	182.1	794.6
2020	1.9	440.7	140.3	7.9	24.0	172.2	183.7	798.5
2021	1.8	443.3	139.9	7.8	24.2	171.9	185.3	802.4
<b>Total Growth</b>	<b>8.79%</b>	<b>22.50%</b>	<b>-28.88%</b>	<b>-41.48%</b>	<b>24.08%</b>	<b>-25.11%</b>	<b>29.13%</b>	<b>8.93%</b>

Table 1-7b (in trillion Btu)

## High Economic Case

Year	Coal TBtu	Natural Gas TBtu	Distillate TBtu	Kerosene TBtu	Propane TBtu	Total Petroleum TBtu	Electricity TBtu	Total TBtu
2000	1.7	361.9	196.7	13.3	19.5	229.5	143.5	736.6
2006	1.8	420.9	167.0	10.8	21.1	199.0	163.8	812.5
2011	2.0	425.0	152.9	9.3	22.5	184.6	170.8	805.5
2016	1.9	440.1	145.4	8.4	23.3	177.1	179.5	816.4
2021	1.8	451.6	140.5	7.8	24.1	172.4	188.6	828.8
<b>Total Growth</b>	<b>8.79%</b>	<b>41.50%</b>	<b>-28.57%</b>	<b>-24.86%</b>	<b>24.79%</b>	<b>24.88%</b>	<b>31.68%</b>	<b>12.57%</b>

Table 1-7c (in trillion Btu)

## Low Economic Case

Year	Coal TBtu	Natural Gas TBtu	Distillate TBtu	Kerosene TBtu	Propane TBtu	Total Petroleum TBtu	Electricity TBtu	Total TBtu
2000	1.7	361.9	196.7	13.3	19.5	229.5	143.5	736.6
2006	1.8	418.6	167.3	10.9	21.2	199.3	162.7	782.5
2011	2.0	419.8	152.8	9.4	22.6	184.7	167.6	774.1
2016	1.9	423.9	145.6	8.5	23.5	177.6	173.2	776.7
2021	1.8	427.3	140.3	7.8	24.4	172.5	179.3	780.9
<b>Total Growth</b>	<b>8.79%</b>	<b>18.07%</b>	<b>-28.68%</b>	<b>-41.13%</b>	<b>25.09%</b>	<b>-24.84%</b>	<b>25.18%</b>	<b>6.06%</b>



# New York State Forecast of Commercial Energy Use by Fuel Type, 2000-2021

Table 1-8a (in trillion Btu)

Year	Coal TBtu	Natural Gas TBtu	Distillate TBtu	Residual TBtu	Kerosene TBtu	Propane TBtu	Total Petroleum TBtu	Electricity TBtu	Total TBtu
2000	2.4	254.4	84.2	75.2	5.4	3.1	167.9	229.4	654.1
2001	2.2	254.7	85.7	58.4	5.4	3.1	152.6	229.5	639.0
2002	2.2	269.3	85.9	59.7	5.4	3.1	154.1	234.8	660.4
2003	2.2	278.8	86.9	60.3	5.5	3.1	155.8	238.4	675.2
2004	2.3	284.5	87.2	60.9	5.5	3.1	156.7	242.2	685.7
2005	2.3	285.8	87.1	61.5	5.5	3.1	157.2	246.3	691.6
2006	2.3	288.4	87.0	61.9	5.6	3.1	157.6	250.1	698.4
2007	2.3	291.5	86.9	62.3	5.6	3.1	157.9	254.5	706.2
2008	2.3	294.5	86.8	62.8	5.6	3.1	158.3	258.5	713.7
2009	2.3	297.7	86.4	63.3	5.7	3.1	158.4	262.3	720.8
2010	2.4	302.1	85.9	64.0	5.7	3.1	158.6	266.0	729.0
2011	2.4	306.3	85.5	64.7	5.8	3.1	159.0	269.5	737.2
2012	2.4	310.5	85.2	65.4	5.8	3.1	159.5	272.9	745.3
2013	2.4	314.3	84.8	66.0	5.9	3.1	159.7	275.8	752.2
2014	2.4	317.8	84.0	66.4	5.9	3.1	159.3	277.3	756.8
2015	2.4	321.3	83.4	66.5	5.9	3.1	158.9	278.0	760.6
2016	2.4	324.5	82.9	66.5	5.9	3.1	158.5	278.4	763.8
2017	2.4	327.3	82.5	66.4	5.9	3.1	157.9	278.7	766.4
2018	2.4	330.0	82.1	66.2	5.9	3.1	157.3	279.1	768.8
2019	2.4	332.9	81.6	66.2	5.9	3.1	156.8	279.4	771.5
2020	2.4	336.2	81.1	66.3	5.9	3.1	156.4	279.7	774.7
2021	2.4	339.5	80.6	66.4	5.9	3.1	156.0	280.0	777.9
<b>Total Growth</b>	<b>0.0%</b>	<b>33.47%</b>	<b>-4.26%</b>	<b>-11.75%</b>	<b>9.19%</b>	<b>0.00%</b>	<b>-7.10%</b>	<b>22.04%</b>	<b>18.93%</b>

Table 1-8b (in trillion Btu)

## High Economic Case

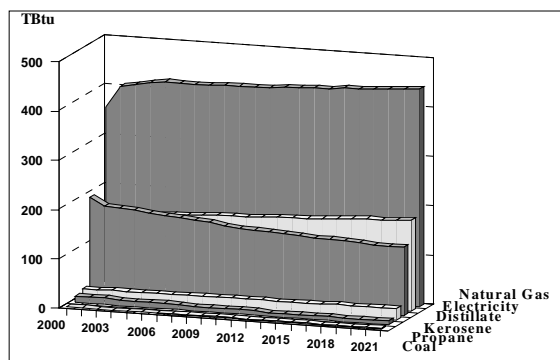
Year	Coal TBtu	Natural Gas TBtu	Distillate TBtu	Residual TBtu	Kerosene TBtu	Propane TBtu	Total Petroleum TBtu	Electricity TBtu	Total TBtu
2000	2.4	254.4	84.2	75.2	5.4	3.1	167.9	229.4	654.1
2006	2.3	287.6	87.1	62.3	5.6	3.1	158.1	272.7	720.7
2011	2.4	305.6	86.9	66.0	5.9	3.1	162.0	297.8	767.7
2016	2.5	329.4	85.0	68.7	6.0	3.2	162.8	313.5	808.3
2021	2.5	348.0	83.2	69.2	6.1	3.2	161.7	316.0	828.2
<b>Total Growth</b>	<b>4.04%</b>	<b>36.80%</b>	<b>-1.19%</b>	<b>-7.96%</b>	<b>12.64%</b>	<b>3.12%</b>	<b>-3.70%</b>	<b>37.75%</b>	<b>26.62%</b>

Table 1-8c (in trillion Btu)

## Low Economic Case

Year	Coal TBtu	Natural Gas TBtu	Distillate TBtu	Residual TBtu	Kerosene TBtu	Propane TBtu	Total Petroleum TBtu	Electricity TBtu	Total TBtu
2000	2.4	254.4	84.2	75.2	5.4	3.1	167.9	229.4	654.1
2006	2.3	287.8	86.8	61.3	5.5	3.1	156.8	271.1	717.9
2011	2.3	304.1	85.1	63.3	5.7	3.1	157.2	290.7	754.3
2016	2.4	318.6	82.7	64.3	5.8	3.0	155.9	299.9	776.7
2021	2.4	329.0	79.8	63.2	5.7	3.0	151.8	298.1	781.2
<b>Total Growth</b>	<b>0.0%</b>	<b>29.33%</b>	<b>-5.24%</b>	<b>-15.89%</b>	<b>6.16%</b>	<b>-3.25%</b>	<b>-9.61%</b>	<b>29.95%</b>	<b>19.43%</b>

# New York State Forecast of Industrial Energy Use by Fuel Type, 2000-2021



**Table 1-9a (in trillion Btu)**

<u>Year</u>	<u>Coal</u> TBtu	<u>Natural Gas</u> TBtu	<u>Distillate</u> TBtu	<u>Residual</u> TBtu	<u>Propane</u> TBtu	<u>Total Petroleum</u> TBtu	<u>Electricity</u> TBtu	<u>Total</u> <u>TBtu</u>
2000	56.1	137.0	18.3	16.0	6.2	41.4	82.5	316.9
2001	53.0	123.6	18.3	10.3	6.2	35.7	77.2	289.5
2002	53.8	135.4	18.2	9.4	6.2	34.7	77.8	301.7
2003	53.6	143.6	18.4	8.8	6.2	34.3	77.8	309.2
2004	53.5	145.2	18.6	9.5	6.2	35.2	79.1	313.0
2005	53.3	146.8	18.9	10.0	6.2	36.0	80.4	316.6
2006	53.1	146.3	19.0	10.6	6.2	36.7	81.2	317.3
2007	52.9	142.6	19.1	11.0	6.2	37.2	82.5	315.3
2008	52.6	142.4	19.3	11.6	6.2	38.0	84.0	317.0
2009	52.3	143.2	19.5	11.6	6.2	38.2	85.5	319.3
2010	52.0	142.9	19.7	11.7	6.2	38.6	87.3	320.9
2011	51.8	144.6	20.0	8.6	6.2	35.7	89.1	321.3
2012	51.5	145.8	20.1	7.8	6.2	35.1	90.2	322.6
2013	51.2	147.3	20.3	7.8	6.2	35.3	91.4	325.2
2014	51.0	148.5	20.4	7.8	6.2	35.4	92.4	327.3
2015	50.7	149.7	20.7	7.6	6.2	35.4	93.6	329.5
2016	50.5	151.0	20.9	7.5	6.2	35.5	94.7	331.7
2017	50.3	152.3	21.0	7.4	6.2	35.6	95.8	334.0
2018	50.0	152.6	21.3	7.4	6.2	35.9	96.8	335.3
2019	49.8	152.7	21.6	10.4	6.2	39.2	97.8	339.5
2020	49.5	154.3	21.8	11.9	6.2	40.9	98.5	343.2
2021	49.2	155.9	22.0	13.5	6.2	42.7	99.1	347.0
<b>Total Growth</b>	<b>-12.23%</b>	<b>13.79%</b>	<b>20.35%</b>	<b>-15.53%</b>	<b>0.0%</b>	<b>3.20%</b>	<b>20.24%</b>	<b>9.48%</b>

**Table 1-9b (in trillion Btu)**

## High Economic Case

<u>Year</u>	<u>Coal</u> TBtu	<u>Natural Gas</u> TBtu	<u>Distillate</u> TBtu	<u>Residual</u> TBtu	<u>Propane</u> TBtu	<u>Total Petroleum</u> TBtu	<u>Electricity</u> TBtu	<u>Total</u> <u>TBtu</u>
2000	56.1	137.0	18.3	16.0	6.2	41.4	82.3	316.9
2006	55.1	150.1	19.8	11.0	6.5	38.2	87.5	331.0
2011	55.4	150.3	21.4	9.2	6.8	38.4	99.2	343.3
2016	54.6	159.1	22.6	8.0	7.0	38.7	106.9	359.3
2021	54.8	169.9	24.5	14.2	7.1	46.9	115.5	387.1
<b>Total Growth</b>	<b>-2.38%</b>	<b>24.05%</b>	<b>34.11%</b>	<b>-11.31%</b>	<b>14.21%</b>	<b>13.29%</b>	<b>40.34%</b>	<b>22.15%</b>

**Table 1-9c (in trillion Btu)**

## Low Economic Case

<u>Year</u>	<u>Coal</u> TBtu	<u>Natural Gas</u> TBtu	<u>Distillate</u> TBtu	<u>Residual</u> TBtu	<u>Propane</u> TBtu	<u>Total Petroleum</u> TBtu	<u>Electricity</u> TBtu	<u>Total</u> <u>TBtu</u>
2000	56.1	137.0	18.3	16.0	6.2	41.4	82.3	316.9
2006	51.6	143.7	18.5	10.3	6.0	34.8	81.6	311.8
2011	49.6	139.9	18.9	8.6	5.8	33.3	87.5	310.2
2016	47.4	142.9	19.3	7.1	5.7	32.1	90.7	313.2
2021	45.2	146.0	19.7	10.8	5.4	35.9	92.6	319.7
<b>Total Growth</b>	<b>-19.38%</b>	<b>6.59%</b>	<b>7.46%</b>	<b>-32.62%</b>	<b>-12.40%</b>	<b>-13.29%</b>	<b>12.46%</b>	<b>0.88%</b>

# New York State Forecast of Transportation Energy Use by Fuel Type, 2000-2021

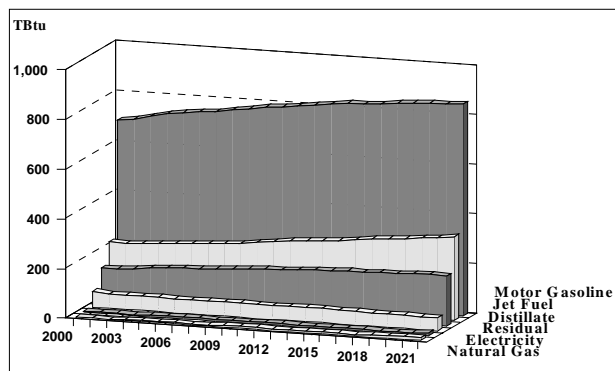


Table 1-10a (in trillion Btu)

Year	Distillate TBtu	Residual TBtu	Motor Gasoline TBtu	Jet Fuels TBtu	Propane TBtu	Total Petroleum TBtu	Compressed Natural Gas TBtu	Electricity TBtu	Total TBtu
2000	139.1	64.8	696.7	225.3	0.1	1126.0	0.6	8.9	1135.5
2001	143.7	58.9	702.9	219.8	0.1	1125.4	0.8	9.1	1135.3
2002	146.4	60.4	717.4	225.2	0.1	1149.4	1.0	9.3	1159.7
2003	151.6	60.2	733.4	231.3	0.1	1176.6	1.2	9.6	1187.3
2004	156.0	59.9	742.1	235.5	0.1	1193.7	1.3	9.8	1204.9
2005	160.6	59.6	750.8	240.5	0.2	1211.7	1.5	10.0	1223.2
2006	163.9	59.4	757.5	244.9	0.2	1225.8	1.6	10.2	1237.6
2007	167.6	59.1	765.3	249.3	0.2	1241.5	1.8	10.4	1253.7
2008	171.3	58.8	774.7	255.6	0.2	1260.6	1.9	10.6	1273.1
2009	175.4	58.6	784.4	262.4	0.2	1281.0	2.1	10.8	1293.9
2010	179.3	58.3	793.2	269.2	0.2	1300.2	2.2	11.1	1313.5
2011	183.6	58.0	802.0	276.5	0.2	1320.4	2.3	11.3	1334.0
2012	186.8	57.8	810.2	282.8	0.2	1337.9	2.5	11.6	1351.9
2013	189.7	57.6	817.4	288.8	0.2	1353.6	2.6	11.8	1368.1
2014	192.0	57.3	822.8	294.8	0.2	1367.1	2.7	12.1	1381.8
2015	194.0	57.1	827.7	300.8	0.2	1379.8	2.8	12.4	1394.9
2016	195.9	56.8	832.9	307.4	0.2	1393.3	2.9	12.7	1408.9
2017	197.9	56.6	837.6	314.1	0.2	1406.3	3.0	13.0	1422.3
2018	199.7	56.3	841.8	320.5	0.2	1418.5	3.0	13.4	1435.0
2019	201.3	56.0	846.5	326.9	0.2	1431.0	3.1	13.8	1447.9
2020	202.5	55.8	849.7	332.5	0.2	1440.6	3.1	14.2	1457.9
2021	203.6	55.5	852.8	338.1	0.2	1450.3	3.2	14.5	1468.0
<b>Total Growth</b>	<b>46.39%</b>	<b>-14.36%</b>	<b>22.41%</b>	<b>50.08%</b>	<b>134.77%</b>	<b>28.80%</b>	<b>428.93%</b>	<b>63.35%</b>	<b>29.28%</b>

Table 1-10b (in trillion Btu)

## High Economic Case

Year	Distillate TBtu	Residual TBtu	Motor Gasoline TBtu	Jet Fuels TBtu	Propane TBtu	Total Petroleum TBtu	Compressed Natural Gas TBtu	Electricity TBtu	Total TBtu
2000	139.1	64.8	696.7	225.3	0.1	1126.0	0.60	8.9	1135.5
2006	167.9	59.5	767.5	251.6	0.2	1246.7	1.67	10.2	1258.6
2011	192.4	58.4	823.6	291.1	0.2	1365.7	2.42	11.3	1379.4
2016	208.9	57.3	864.2	328.4	0.2	1459.0	3.07	12.7	1474.8
2021	223.8	56.1	894.0	369.5	0.3	1543.7	3.46	14.5	1561.7
<b>Total Growth</b>	<b>60.91%</b>	<b>-13.40%</b>	<b>28.32%</b>	<b>64.01%</b>	<b>155.16%</b>	<b>37.10%</b>	<b>476.46%</b>	<b>62.92%</b>	<b>37.53%</b>

Table 1-10c (in trillion Btu)

## Low Economic Case

Year	Distillate TBtu	Residual TBtu	Motor Gasoline TBtu	Jet Fuels TBtu	Propane TBtu	Total Petroleum TBtu	Compressed Natural Gas TBtu	Electricity TBtu	Total TBtu
2000	139.1	64.8	696.7	225.3	0.1	1126.0	0.60	8.90	1135.5
2006	161.8	59.3	750.8	242.5	0.2	1214.6	1.54	10.27	1226.4
2011	177.4	57.8	785.6	268.0	0.2	1289.0	2.17	11.45	1302.6
2016	185.5	56.4	804.4	290.4	0.2	1336.8	2.70	12.94	1352.5
2021	188.2	54.8	812.2	309.1	0.2	1364.5	2.94	14.90	1382.3
<b>Total Growth</b>	<b>35.28%</b>	<b>-15.43%</b>	<b>16.58%</b>	<b>37.18%</b>	<b>127.5%</b>	<b>21.18%</b>	<b>389.87%</b>	<b>67.36%</b>	<b>21.74%</b>