Appendix B. New York State Energy Profile Supplemental Visuals

New York State Energy Profile—2022 Highlights

Primary Energy Consumption (TBtu)

New York Statewide Primary Consumption	3,634.0	↑
By Sector:		
Residential	636.9	↑
Commercial	415.0	↑
Industrial	189.0	↓
Transportation	1,131.7	↑
Electric Generation	1,261.5	↓
By Fuel Type:		
Petroleum	1,309.0	↑
Natural Gas	1,402.3	↑
Nuclear	279.6	↓
Renewable	292.1	↑
Net Imported Electricity	207.2	↓
Bioenergy	141.1	↑
Coal	6.1	↑
Pumped Storage	-3.5	↓

Average Energy Prices (Nominal Dollars)

Gasoline (all grades; per gallon)	$3.794	↑
Heating Oil (per gallon)	$3.865	↑
Natural Gas (per thousand cf)		
Residential	$16.432	↑
Commercial	$10.370	↑
Industrial	$11.366	↑
Electricity (per kWh)		
Residential	$0.221	↑
Commercial	$0.182	↑
Industrial	$0.076	↑

2022 Market Influences

1. Energy prices increased due to slower production recovery compared to demand following the pandemic.

2. Russia's invasion of Ukraine at the end of February 2022 influenced global markets and changed global supply chains.

3. Unique market conditions persisted through 2022 and resulted in low regional fuels inventories.

Net Energy Consumption (TBtu)

New York Statewide Net Consumption	2,861.2	↑
By Sector:		
Residential	815.1	↑
Commercial	661.4	↑
Industrial	244.2	↓
Transportation	1,140.6	↑
By Fuel Type:		
Petroleum	1,292.6	↑
Natural Gas	912.1	↑
Electricity	488.6	↑
Renewable	39.1	↑
Bioenergy	122.6	↑
Coal	6.1	↑

cf = cubic feet
GWh = Gigawatt hours
TBtu = Trillion British thermal units
Arrows represent increase/decrease from prior year.
See NYSERDA Patterns & Trends full report for additional details

Electricity Consumption & Generation (GWh)

Sales to Ultimate Consumers:	143,211.0	↑
Net Consumption by Sector:		
Residential	52,227.0	↑
Commercial	72,206.0	↑
Industrial	16,178.0	↓
Transportation	2,600.0	↑
In-State Generation:	125,632.1	↓
Generation by Fuel Type:		
Nuclear	26,812.0	↓
Natural Gas	64,432.6	↑
Petroleum	170.5	↑
Wind	4,825.1	↑
Solar	4,745.4	↑
Bioenergy	2,368.3	↓
Pumped Storage	-441.1	↓
Conventional Hydroelectric Generation	27,354.3	↓
Net Imported Electricity	26,440.0	↓

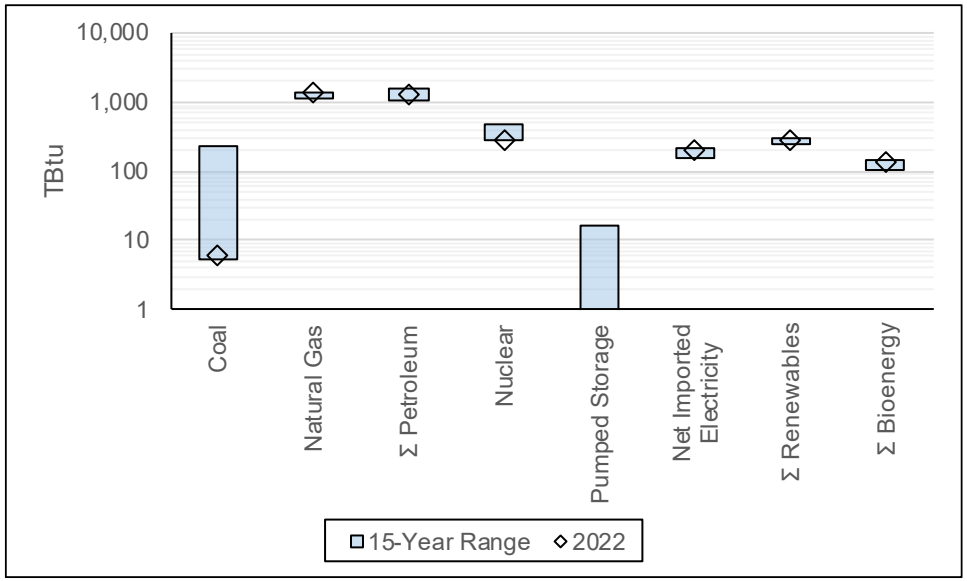
Expenditures (Billion Nominal Dollars)

New York Statewide Total:	$79.3	↑
Estimated Out-of-State	$28.7	↑
Expenditures by Sector:		
Residential	$23.0	↑
Commercial	$18.0	↑
Industrial	$2.7	↑
Transportation	$35.6	↑

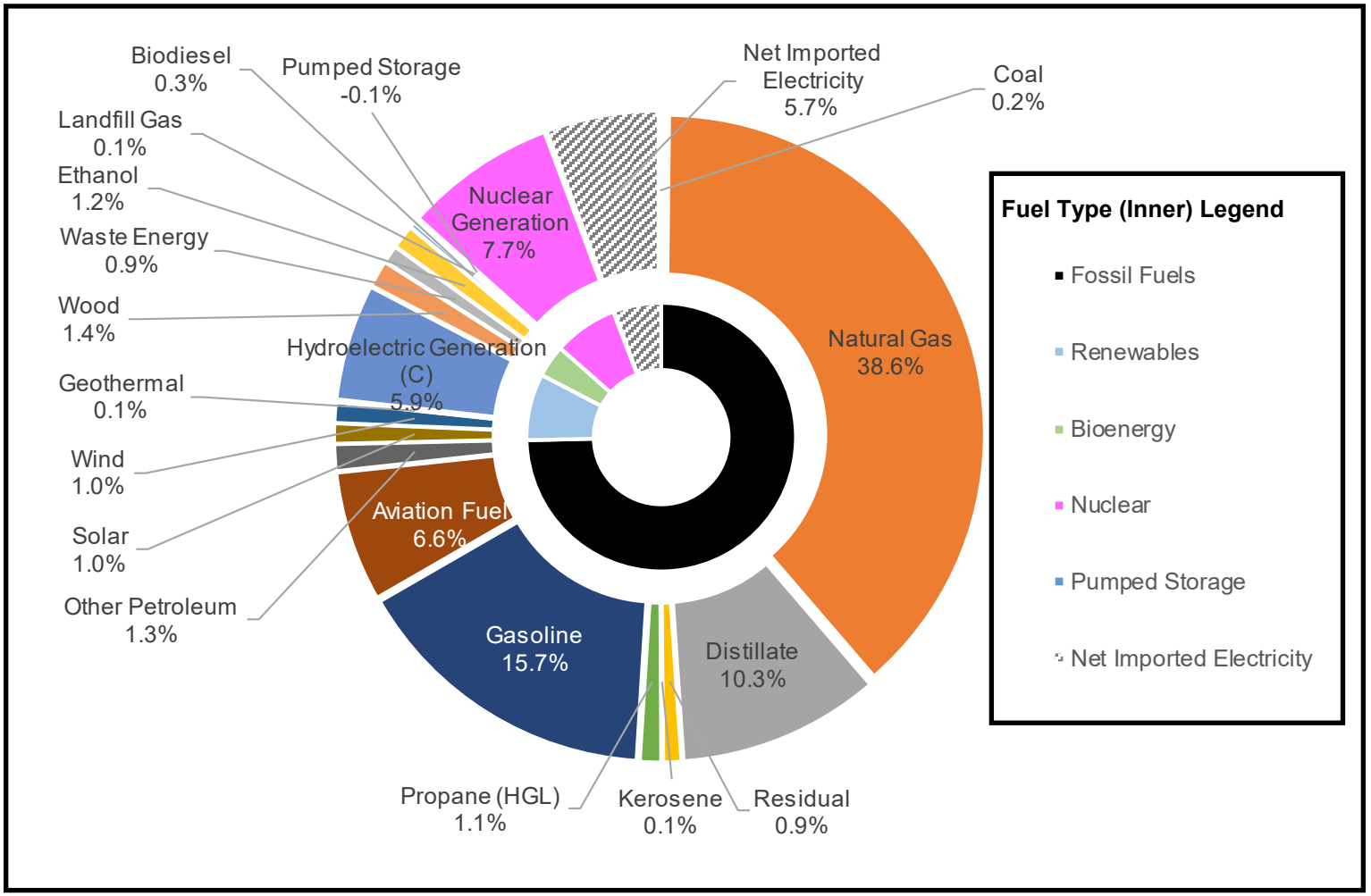
New York State Energy Profile—Consumption Totals

New York State Primary Consumption 15-Year Summary

Year	Coal		Natural Gas		Petroleum Products (Σ)		Nuclear		Pumped Storage		Net Imported Electricity		Renewables (Σ)	Bioenergy (Σ)
	TBtu	Mtons	TBtu	Bcf	TBtu	Mbbl	TBtu	GWh	TBtu	GWh	TBtu	GWh	TBtu	TBtu
2008	229.0	10,157.0	1,205.1	1,179.2	1,572.3	295,891.4	451.6	43,209.0	16.4	1,790.0	213.3	23,343.7	248.6	143.9
2009	156.0	7,032.0	1,166.6	1,141.5	1,484.4	282,235.7	454.8	43,485.0	13.8	1,525.0	211.4	23,361.1	262.4	107.6
2010	167.1	7,367.0	1,224.5	1,197.0	1,476.5	282,940.0	437.6	41,870.0	8.0	889.0	223.7	24,912.4	244.0	118.5
2011	125.2	5,604.0	1,247.8	1,215.0	1,376.8	265,695.0	446.8	42,695.0	6.4	720.6	220.0	24,882.9	273.4	124.9
2012	72.9	3,137.0	1,261.0	1,221.9	1,334.0	257,592.0	427.3	40,775.0	6.4	730.7	222.0	25,516.2	244.4	124.3
2013	68.7	3,041.0	1,315.3	1,270.8	1,325.2	256,380.0	467.7	44,756.0	6.5	765.6	220.5	25,901.6	253.5	128.3
2014	64.7	2,867.0	1,392.4	1,347.9	1,376.4	266,616.0	450.1	43,039.0	7.1	849.4	173.8	20,789.1	256.6	132.0
2015	41.2	1,761.0	1,396.7	1,352.1	1,377.5	266,732.0	466.5	44,603.0	6.8	824.8	164.1	19,809.1	255.2	147.5
2016	29.7	1,175.0	1,336.5	1,295.0	1,378.6	268,163.0	434.8	41,571.0	6.9	835.6	184.1	22,358.0	258.9	141.8
2017	19.6	738.0	1,276.9	1,236.1	1,375.3	268,298.0	441.0	42,167.0	6.5	795.3	197.5	24,319.1	285.9	143.2
2018	16.7	635.0	1,393.7	1,349.1	1,418.2	276,675.0	448.7	42,919.0	6.5	811.0	215.9	26,765.9	281.8	148.8
2019	13.6	536.0	1,337.8	1,296.3	1,380.3	270,287.0	468.5	44,865.0	4.6	583.0	182.7	23,134.0	293.8	148.0
2020	5.7	222.0	1,305.3	1,262.4	1,064.2	209,925.0	401.4	38,430.0	5.0	635.0	156.9	19,990.0	288.2	119.9
2021	5.4	211.0	1,359.4	1,317.3	1,228.0	242,175.0	325.1	31,177.0	5.5	711.9	213.4	27,394.0	286.1	129.9
2022	6.1	241.0	1,402.3	1,358.8	1,309.0	256,273.0	279.6	26,812.0	-3.5	-441.1	207.2	26,440.0	292.1	141.1
% Difference 2022–2021	14.4%	14.2%	3.2%	3.1%	6.6%	5.8%	-14.0%	-14.0%	-162.3%	-162.0%	-2.9%	-3.5%	2.1%	8.7%



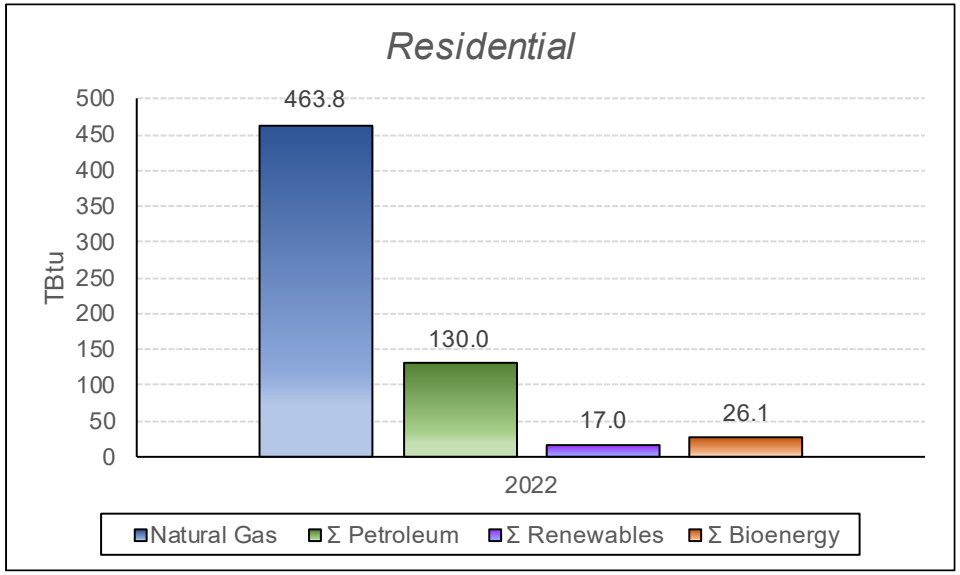
New York State Energy Profile—Primary Consumption Summary

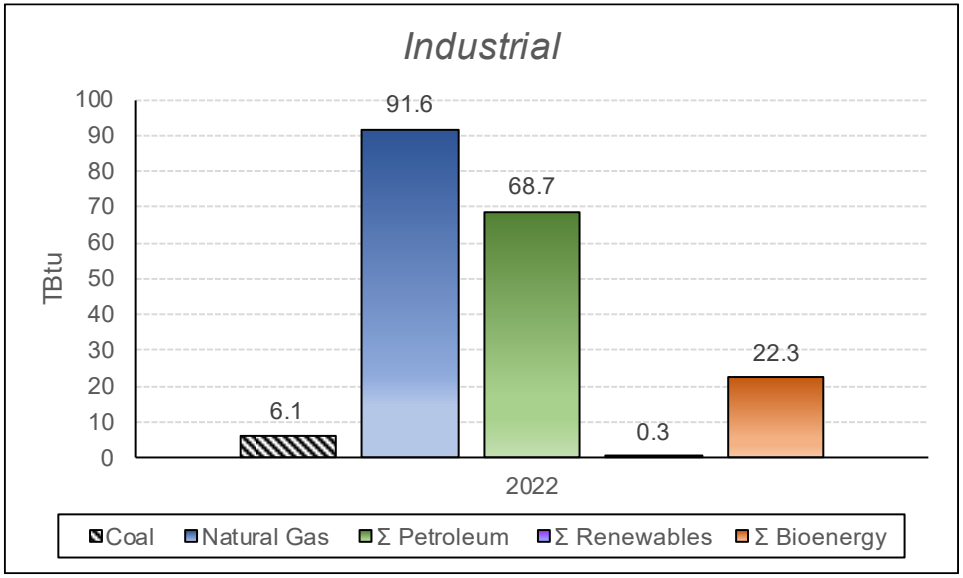


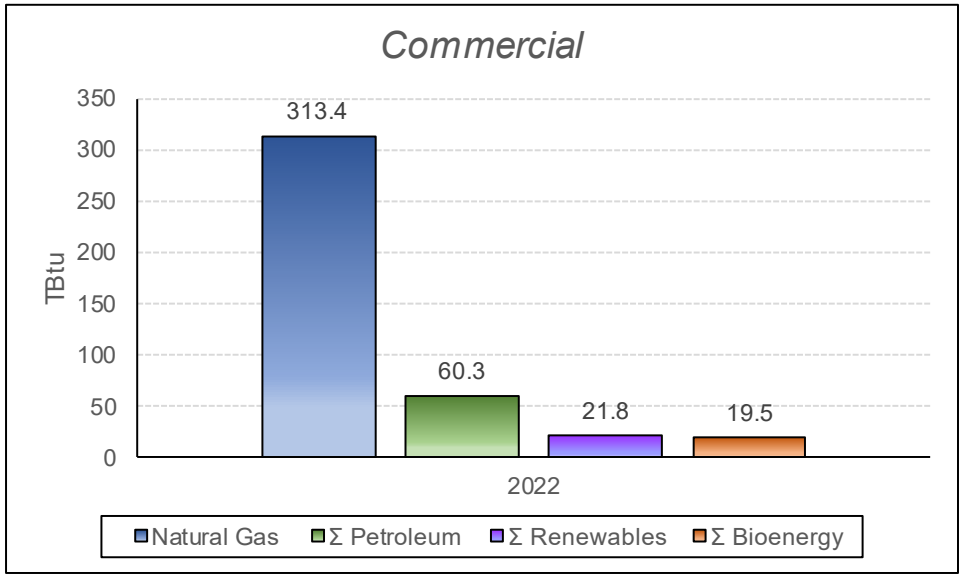
Note:

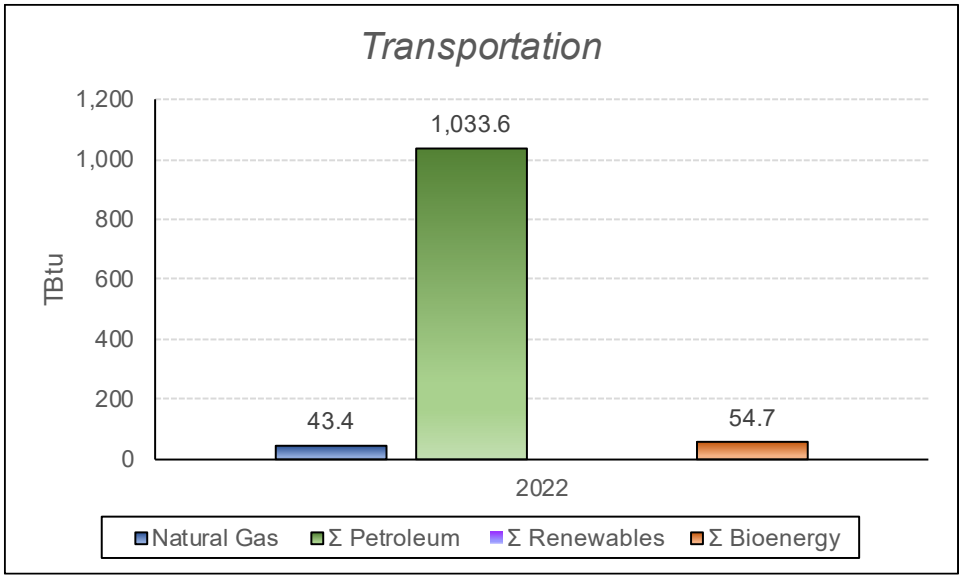
1. The “Net Imported Electricity” category reflects an estimate of electricity generated outside of New York that is brought into New York for consumption. This reflects multiple regions and System Operators, but also includes a range of generation types. See NYSERDA Patterns & Trends for additional discussion.

New York State Energy Profile—Primary Consumption Summary by Sector





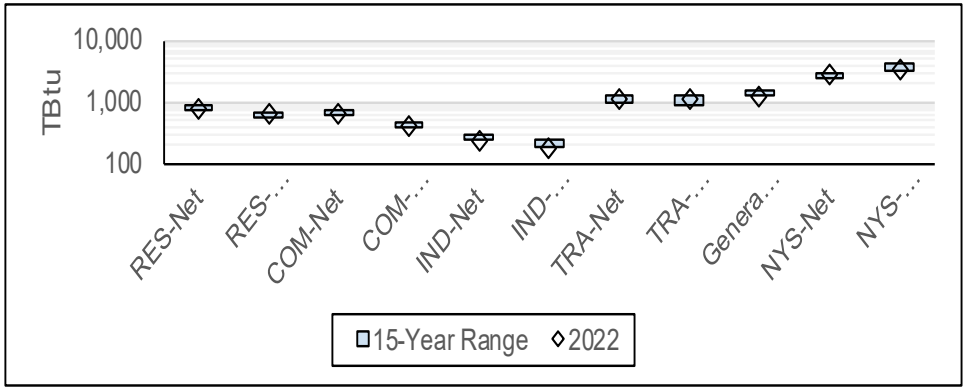




New York State Energy Profile—Primary and Net Consumption Summary by Sector

New York State Primary and Net Consumption of Energy by Sector (TBtu)

Year	Residential (RES)		Commercial (COM)		Industrial (IND)		Transportation (TRA)		Electric Generation	Total (NYS)	
	Net	Primary	Net	Primary	Net	Primary	Net	Primary		Net	Primary
2008	814.9	647.6	708.0	443.8	284.4	234.3	1,171.0	1,161.0	1,595.6	2,978.2	4,080.2
2009	746.6	582.0	682.7	425.6	255.1	209.3	1,152.5	1,142.2	1,499.7	2,836.9	3,857.0
2010	737.3	563.5	680.0	416.3	251.1	205.1	1,198.5	1,188.6	1,531.7	2,866.9	3,899.9
2011	731.8	557.0	678.2	417.5	259.9	214.1	1,124.2	1,114.1	1,521.3	2,794.1	3,821.3
2012	706.0	533.0	630.6	371.2	252.1	205.4	1,102.9	1,093.5	1,489.0	2,691.6	3,692.1
2013	754.2	581.0	661.7	401.2	265.0	203.9	1,115.2	1,105.4	1,494.2	2,796.1	3,785.6
2014	810.7	640.2	663.9	402.8	265.2	203.7	1,176.6	1,166.8	1,439.5	2,916.4	3,853.0
2015	828.2	654.2	663.0	400.3	267.0	205.4	1,170.0	1,160.4	1,435.2	2,928.3	3,855.4
2016	747.5	574.1	644.3	383.2	262.0	201.6	1,214.6	1,205.2	1,407.0	2,868.4	3,771.1
2017	756.5	589.1	648.0	391.0	258.2	197.5	1,225.1	1,215.7	1,352.7	2,887.9	3,745.8
2018	859.4	681.4	675.9	414.0	262.4	200.7	1,234.6	1,224.5	1,409.7	3,032.2	3,930.3
2019	843.3	672.2	666.0	409.8	260.1	200.3	1,206.6	1,197.0	1,350.0	2,976.1	3,829.2
2020	769.6	591.3	603.0	367.6	244.8	188.1	921.8	913.1	1,286.5	2,539.2	3,346.7
2021	805.0	627.0	633.0	394.4	254.0	196.3	1,056.0	1,047.6	1,287.3	2,748.0	3,552.8
2022	815.1	636.9	661.4	415.0	244.2	189.0	1,140.6	1,131.7	1,261.5	2,861.2	3,634.0
% Difference 2022–2021	*1.3%*	*1.6%*	*4.5%*	*5.2%*	*-3.9%*	*-3.7%*	*8.0%*	*8.0%*	*-2.0%*	*4.1%*	*2.3%*



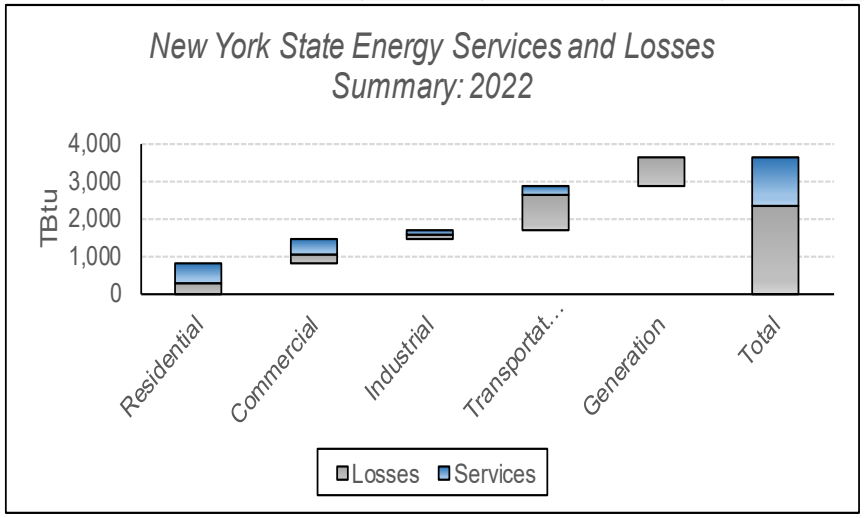
Notes:

1. Net consumption for each sector includes the consumption of sectoral electricity (estimated by USEIA). Customer-sited ("behind-the-meter") solar is estimated for each sector using the total estimated by NYISO and applying sectoral contribution percentages based on USEIA data.
2. Primary consumption represents the consumption of fuels and energy that are not produced by the electric generation sector and accounting for utility-generated electricity as a unique sector.

New York State Energy Profile—Energy Services and Losses Summary by Sector

New York State Energy Services and Losses (TBtu)

Year	Residential		Commercial		Industrial		Transportation		Electricity Generation	Total	
	Services	Losses	Services	Losses	Services	Losses	Services	Losses	Losses	Services	Losses
2008	529.7	285.2	460.2	247.8	139.3	145.0	245.9	925.1	1,102.0	1,375.1	2,705.1
2009	485.3	261.3	443.7	238.9	125.0	130.1	242.0	910.5	1,020.1	1,296.0	2,560.9
2010	479.3	258.1	442.0	238.0	123.0	128.1	251.7	946.8	1,033.0	1,296.0	2,604.0
2011	475.7	256.1	440.8	237.4	127.4	132.6	236.1	888.1	1,027.1	1,279.9	2,541.3
2012	458.9	247.1	409.9	220.7	123.5	128.6	231.6	871.3	1,000.6	1,223.9	2,468.2
2013	490.2	264.0	430.1	231.6	129.9	135.2	234.2	881.0	989.5	1,284.4	2,501.3
2014	527.0	283.8	431.5	232.4	129.9	135.2	247.1	929.5	936.7	1,335.5	2,517.5
2015	538.3	289.9	431.0	232.1	130.9	136.2	245.7	924.3	927.1	1,345.9	2,509.6
2016	485.9	261.6	418.8	225.5	128.4	133.6	255.1	959.5	902.7	1,288.1	2,483.0
2017	491.7	264.8	421.2	226.8	126.5	131.7	257.3	967.8	857.9	1,296.7	2,449.1
2018	558.6	300.8	439.3	236.6	128.6	133.8	259.3	975.3	898.1	1,385.7	2,544.6
2019	548.1	295.2	432.9	233.1	127.5	132.7	253.4	953.2	853.2	1,361.9	2,467.3
2020	500.3	269.4	391.9	211.0	119.9	124.8	193.6	728.2	807.5	1,205.7	2,140.9
2021	523.3	281.8	411.5	221.6	124.4	129.5	221.8	834.2	804.8	1,280.9	2,271.9
2022	529.8	285.3	429.9	231.5	119.6	124.5	239.5	901.0	772.7	1,318.9	2,315.1
% Difference 2022–2021	*1.3%*	*1.3%*	*4.5%*	*4.5%*	*-3.9%*	*-3.9%*	*8.0%*	*8.0%*	*-4.0%*	*3.0%*	*1.9%*



Notes:

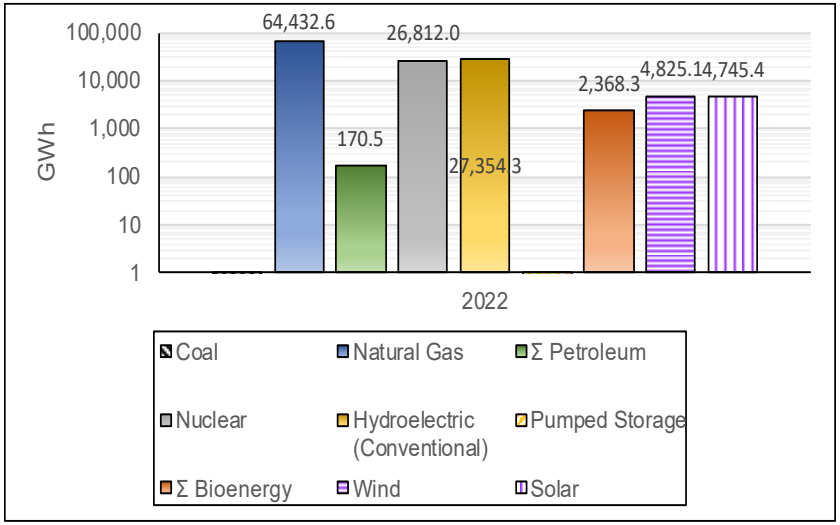
1. Electric losses are calculated as the difference between energy input for electricity generation and energy from retail electricity sales.
2. Sectoral estimates are calculated based on Lawrence Livermore National Laboratory end-use efficiency factors:

- Residential = 65%
- Commercial = 65%
- Industrial = 49%
- Transportation = 21%

New York State Energy Profile—Generation by Fuel Type

New York State Generation by Fuel Type 15-Year History (GWh)

Year	Coal	Natural Gas	Petroleum Products (Σ)	Nuclear	Conventional Hydroelectric Generation	Pumped Storage	Bioenergy			Wind	Solar
							Wood	Landfill Gas	Waste Energy		
2008	19,154.1	46,845.1	4,000.6	43,209.0	25,711.0	1,790.0	560.0	533.0	1,903.0	1,250.7	17.0
2009	12,758.9	44,625.1	2,828.7	43,485.0	26,420.0	1,525.0	340.0	648.0	1,900.0	2,266.3	29.0
2010	13,582.8	51,077.0	2,093.6	41,870.0	24,214.0	889.0	315.0	708.0	1,893.0	2,596.2	53.0
2011	9,426.2	52,713.2	1,234.2	42,695.0	27,634.1	720.6	209.6	735.1	1,878.4	2,828.1	85.5
2012	4,551.0	62,072.7	605.8	40,775.0	24,572.3	730.7	310.9	736.4	1,897.4	2,991.6	175.1
2013	4,697.1	57,039.2	1,057.1	44,756.0	25,631.0	765.6	376.6	827.7	1,798.6	3,539.5	250.8
2014	4,325.4	57,506.9	2,259.3	43,039.0	25,974.0	849.4	538.6	789.4	1,866.0	3,985.8	375.0
2015	2,046.2	59,919.1	1,991.9	44,603.0	25,879.4	824.8	422.0	744.7	1,861.5	3,983.8	590.3
2016	1,492.8	59,697.6	675.8	41,571.0	26,314.1	835.6	292.5	747.7	1,840.9	3,943.3	838.7
2017	567.4	50,270.2	635.8	42,167.0	29,554.2	795.3	288.3	730.1	1,900.1	4,219.2	1,074.3
2018	692.0	53,593.1	1,677.8	42,919.0	29,045.0	811.0	203.4	647.6	1,878.4	3,985.1	1,552.8
2019	425.7	49,450.9	1,994.4	44,865.0	30,141.3	583.0	154.6	661.0	1,832.3	4,453.6	2,260.1
2020	146.0	54,094.0	2,189.0	38,430.0	29,521.0	635.0	0.0	613.0	1,620.0	4,163.0	2,679.0
2021	0.0	59,461.8	158.9	31,177.0	28,674.7	711.9	0.0	652.9	1,832.3	4,110.7	3,594.8
2022	0.0	64,432.6	170.5	26,812.0	27,354.3	-441.1	0.0	589.5	1,778.8	4,825.1	4,745.4
% Difference 2022–2021	N/A	8.4%	7.3%	-14.0%	-4.6%	-162.0%	N/A	-9.7%	-2.9%	17.4%	32.0%



Notes:

1. Generation estimates source data from annual Gold Book (NYISO, 2023) publications.
2. Estimate for solar generation represents the sum of utility generation as well as generation from residential, commercial, and industrial sectors as “behind-the-meter.”

New York State Energy Profile—Generation Fuel Type Summary

New York State Generation Summary 15-Year History (GWh)

Year	Bioenergy (Σ)	Renewable Energy (Σ)	Fossil Fuels (Σ)	Nuclear	Pumped Storage	Net Imported Electricity
2008	2,996.0	26,978.7	69,999.7	43,209.0	1,790.0	23,343.7
2009	2,888.0	28,715.3	60,212.7	43,485.0	1,525.0	23,361.1
2010	2,916.0	26,863.2	66,753.4	41,870.0	889.0	24,912.4
2011	2,823.2	30,547.7	63,373.5	42,695.0	720.6	24,882.9
2012	2,944.7	27,738.9	67,229.5	40,775.0	730.7	25,516.2
2013	3,002.9	29,421.3	62,793.4	44,756.0	765.6	25,901.6
2014	3,194.0	30,334.8	64,091.7	43,039.0	849.4	20,789.1
2015	3,028.2	30,453.6	63,957.1	44,603.0	824.8	19,809.1
2016	2,881.1	31,096.1	61,866.2	41,571.0	835.6	22,358.0
2017	2,918.5	34,847.7	51,473.4	42,167.0	795.3	24,319.1
2018	2,729.4	34,582.9	55,962.9	42,919.0	811.0	26,765.9
2019	2,647.9	36,855.0	51,871.0	44,865.0	583.0	23,134.0
2020	2,233.0	36,363.0	56,429.0	38,430.0	635.0	19,990.0
2021	2,485.2	36,380.2	59,620.7	31,177.0	711.9	27,394.0
2022	2,368.3	36,924.8	64,603.1	26,812.0	-441.1	26,440.0
% Difference 2022–2021	-4.7%	1.5%	8.4%	-14.0%	-162.0%	-3.5%

Notes:

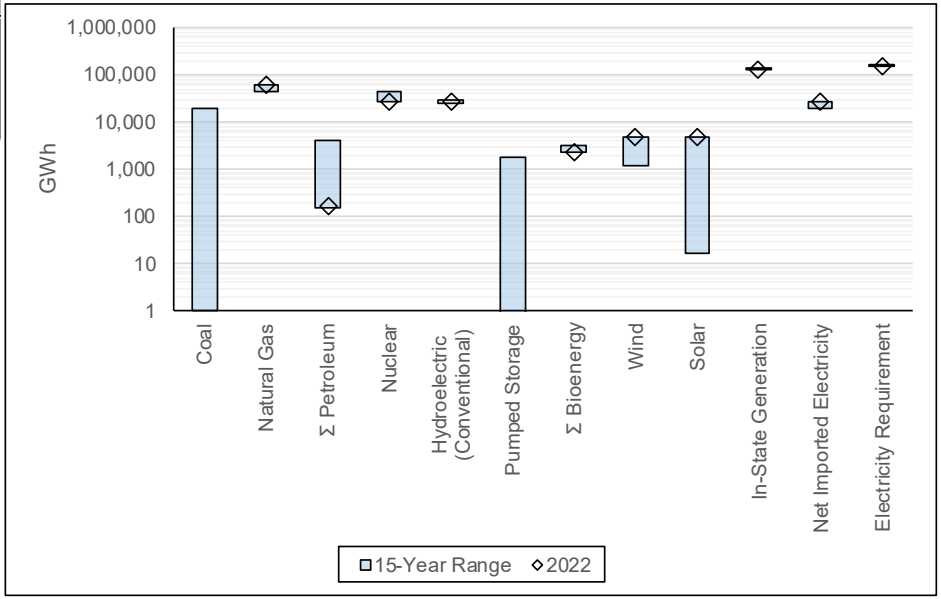
1. Definitions for grouped categories are as follows:

   Σ Bioenergy = Wood + Landfill Gas + Waste Energy Generation

   Σ Renewables = Wind + Solar + Conventional Hydroelectric Generation

2. NYISO reports that Pumped Storage Hydroelectric Generation required more energy than generated. While possible for this technology, NYSERDA will continue to evaluate if this was a result of "reporting timing" and will be adjusted in future iterations if needed.

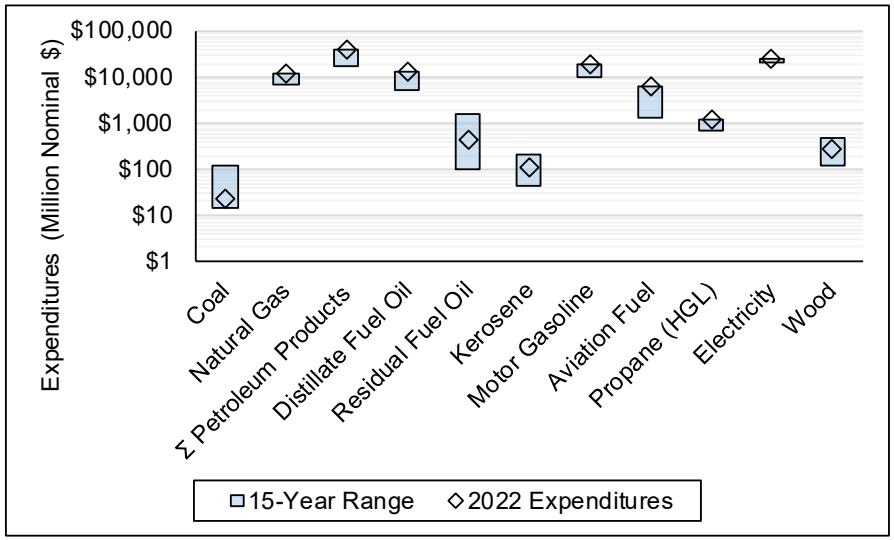
3. Estimate for solar generation represents the sum of utility generation as well as generation from residential, commercial, and industrial sectors as "behind-the-meter".



New York State Energy Profile—Expenditures

New York State Total Energy Expenditures (Million Nominal $)

Year	Coal	Natural Gas	Σ Petroleum Products	Distillate Fuel Oil	Residual Fuel Oil	Kerosene	Motor Gasoline	Aviation Fuel	Propane (HGL)	Electricity	Wood	NYS Total
2008	$116.47	$11,633.29	$37,237.19	$10,841.97	$1,530.25	$126.21	$18,617.79	$5,150.90	$970.06	$23,726.89	$474.57	*$73,188.41*
2009	$97.73	$9,982.06	$24,598.20	$6,480.81	$1,174.26	$141.39	$13,428.56	$2,534.04	$839.14	$21,625.06	$124.76	*$56,427.81*
2010	$113.43	$9,415.61	$29,933.13	$7,467.43	$1,502.91	$213.22	$16,078.83	$3,786.64	$884.10	$23,735.25	$157.88	*$63,355.31*
2011	$123.33	$8,953.45	$36,369.62	$9,301.02	$1,392.38	$165.41	$19,298.88	$5,277.06	$934.86	$22,887.17	$184.11	*$68,517.67*
2012	$114.33	$7,724.00	$36,782.81	$9,958.10	$1,038.67	$92.38	$19,552.63	$5,404.22	$736.81	$21,683.82	$171.33	*$66,476.29*
2013	$94.20	$8,616.43	$35,393.89	$9,000.05	$1,022.30	$83.47	$18,980.94	$5,488.55	$818.58	$22,834.84	$218.96	*$67,158.31*
2014	$79.34	$9,718.17	$35,274.91	$9,085.69	$773.96	$144.09	$18,936.95	$5,239.00	$1,095.22	$23,949.47	$216.04	*$69,237.94*
2015	$77.52	$8,330.12	$24,618.08	$6,885.87	$266.24	$56.23	$13,447.75	$3,203.69	$758.29	$22,748.45	$247.24	*$56,021.41*
2016	$50.57	$7,238.25	$21,327.97	$5,308.44	$204.28	$60.93	$12,353.93	$2,684.37	$716.02	$21,388.68	$168.92	*$50,174.39*
2017	$54.19	$8,250.89	$24,615.84	$6,027.35	$217.75	$45.45	$13,868.68	$3,581.93	$874.68	$21,365.98	$182.68	*$54,469.59*
2018	$43.57	$9,460.43	$29,367.79	$7,878.43	$243.28	$68.11	$15,477.13	$4,555.23	$1,145.61	$22,234.39	$245.97	*$61,352.15*
2019	$30.40	$9,317.21	$27,139.65	$7,270.59	$119.29	$94.21	$14,394.40	$4,254.93	$1,006.24	$20,882.63	$241.35	*$57,611.24*
2020	$14.80	$8,468.95	$17,694.29	$5,160.95	$101.74	$77.16	$10,166.57	$1,351.15	$836.71	$20,870.71	$124.03	*$47,172.80*
2021	$18.04	$9,699.77	$26,536.10	$7,574.25	$245.26	$72.96	$14,969.12	$2,568.53	$1,105.98	$22,782.88	$158.30	*$59,195.10*
2022	$22.42	$12,118.10	$40,639.87	$12,912.14	$423.43	$106.89	$19,435.85	$6,574.69	$1,186.88	$26,246.27	$273.71	*$79,300.38*
% Difference 2022–2021	24.3%	24.9%	53.1%	70.5%	72.6%	46.5%	29.8%	156.0%	7.3%	15.2%	72.9%	34.0%



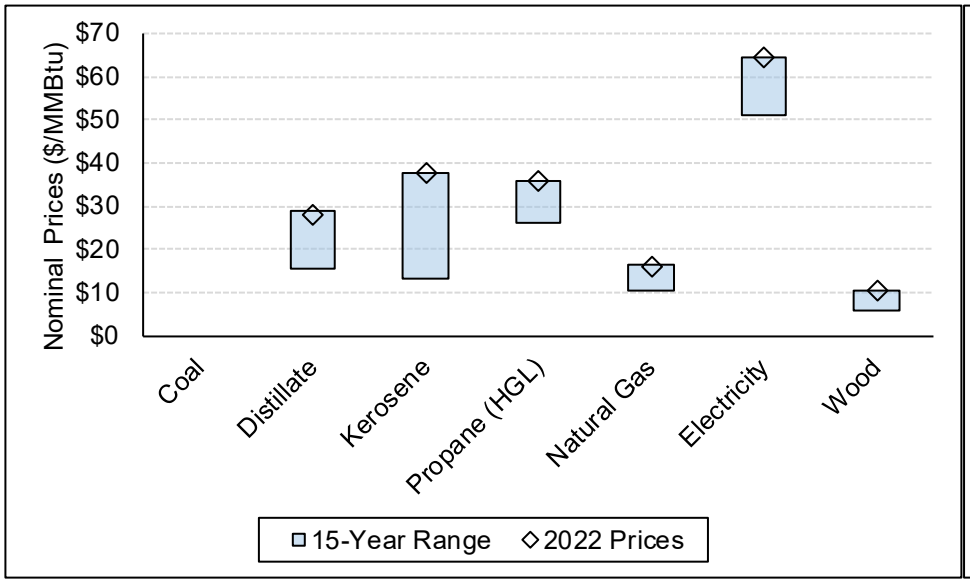
Estimated Out-of-state Energy Expenditures (Million Nominal Dollars)

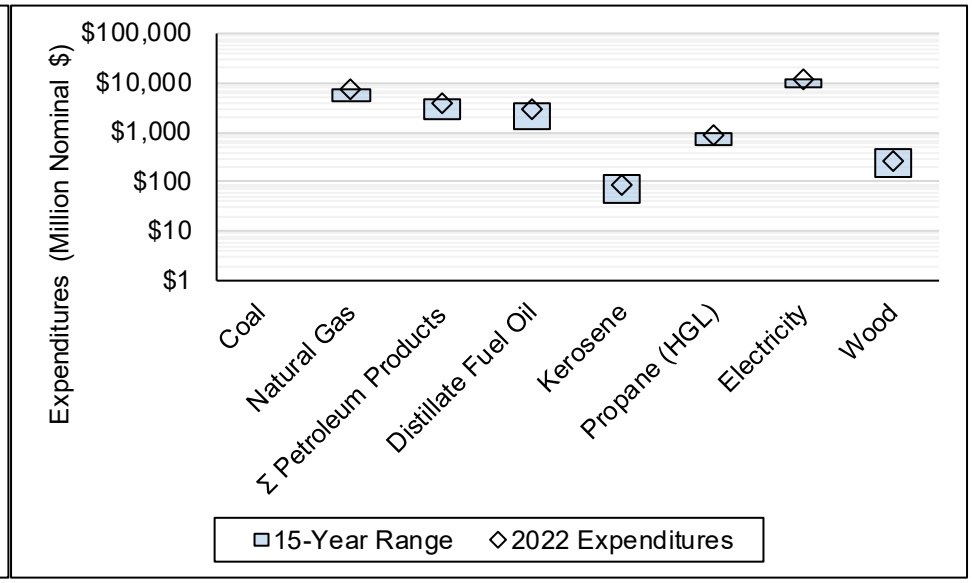
Year	Coal	Natural Gas	Motor Gasoline	Other Petroleum Products	Electricity	Total
2008	$99.00	$7,374.94	$14,285.93	$15,408.51	$13,079.05	$50,247.43
2009	$83.07	$5,344.86	$9,939.71	$8,631.45	$8,190.50	$32,189.60
2010	$96.42	$5,018.96	$12,588.00	$11,050.48	$9,146.14	$37,899.99
2011	$104.83	$4,520.34	$15,569.67	$14,266.78	$8,328.52	$42,790.14
2012	$97.18	$3,820.54	$15,910.07	$14,401.61	$7,379.67	$41,609.07
2013	$80.07	$4,062.23	$15,248.90	$13,603.91	$8,493.90	$41,489.00
2014	$67.44	$4,906.27	$14,750.44	$12,654.77	$9,572.78	$41,951.71
2015	$65.89	$3,680.71	$9,576.59	$7,382.93	$7,195.71	$27,901.83
2016	$42.99	$2,942.62	$8,801.89	$5,966.75	$5,957.82	$23,712.07
2017	$46.07	$3,625.65	$10,299.70	$7,326.92	$6,202.24	$27,500.57
2018	$37.04	$4,508.09	$11,657.45	$9,796.17	$7,750.80	$33,749.55
2019	$25.84	$3,850.78	$10,422.60	$8,603.19	$5,414.10	$28,316.51
2020	$12.58	$3,026.66	$6,023.00	$3,985.38	$4,498.77	$17,546.39
2021	$12.58	$3,592.25	$7,675.58	$5,067.78	$6,742.33	$23,090.52
2022	$12.58	$4,225.04	$8,077.75	$5,567.37	$10,857.38	$28,740.13
% Difference 2022–2021	0.0%	17.6%	5.2%	9.9%	61.0%	24.5%

New York State Energy Profile—Residential Fuels Prices and Expenditures

Residential Energy Prices (Nominal $)

Year	Coal		Distillate Fuel Oil		Kerosene		Propane (HGL)		Natural Gas		Electricity		Wood	
	$/MMBtu	$/Ton	$/MMBtu	¢/Gal	$/MMBtu	¢/Gal	$/MMBtu	¢/Gal	$/MMBtu	$/Mcf	$/MMBtu	¢/kWh	$/MMBtu	$/Cord
2008			$24.89	342.53	$27.06	365.31	$31.28	285.69	$16.42	$16.86	$53.66	18.31	$8.59	$171.80
2009			$18.93	260.56	$20.83	281.21	$28.36	259.02	$14.73	$15.10	$51.29	17.50	$6.45	$129.00
2010			$21.89	301.14	$23.77	320.90	$30.08	274.73	$13.72	$14.04	$54.93	18.74	$7.61	$152.20
2011			$25.83	355.22	$28.13	379.76	$33.78	308.52	$13.35	$13.64	$53.52	18.26	$9.15	$183.00
2012			$28.71	394.69	$29.62	399.87	$31.54	288.07	$12.56	$12.87	$51.63	17.62	$10.19	$203.80
2013			$28.28	388.78	$29.68	400.68	$31.25	285.42	$12.07	$12.41	$55.08	18.79	$9.98	$199.60
2014			$27.59	379.23	$29.84	402.84	$34.49	315.01	$12.13	$12.53	$58.83	20.07	$9.73	$194.60
2015			$19.28	264.87	$16.65	224.78	$27.53	251.44	$10.84	$11.25	$54.33	18.54	$6.71	$134.20
2016			$16.57	227.64	$13.27	179.15	$27.04	246.97	$10.51	$10.92	$51.51	17.58	$5.73	$114.60
2017			$18.43	252.62	$16.60	224.10	$32.05	293.10	$11.66	$12.09	$52.84	18.03	$6.41	$128.20
2018			$20.30	278.88	$23.47	316.85	$34.88	318.99	$11.98	$12.44	$54.28	18.52	$7.09	$141.80
2019			$19.25	264.46	$22.39	302.27	$30.00	274.36	$12.22	$12.71	$52.58	17.94	$6.82	$136.40
2020			$15.75	216.38	$14.54	196.29	$26.18	239.42	$12.38	$12.86	$53.82	18.36	$5.64	$112.80
2021			$18.59	255.39	$22.93	309.56	$31.74	290.27	$13.35	$13.87	$57.10	19.48	$6.77	$135.40
2022			$28.13	386.45	$37.92	511.92	$35.68	326.30	$15.83	$16.43	$64.71	22.08	$10.48	$209.60
% Difference 2022–2021	N/A	N/A	51.3%	51.3%	65.4%	65.4%	12.4%	12.4%	18.6%	18.5%	13.3%	13.3%	54.8%	54.8%

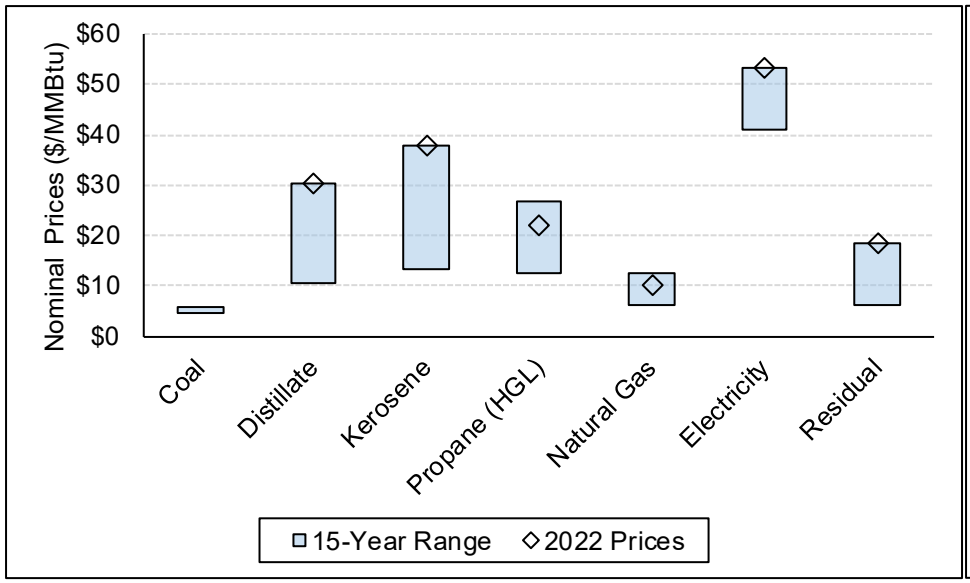


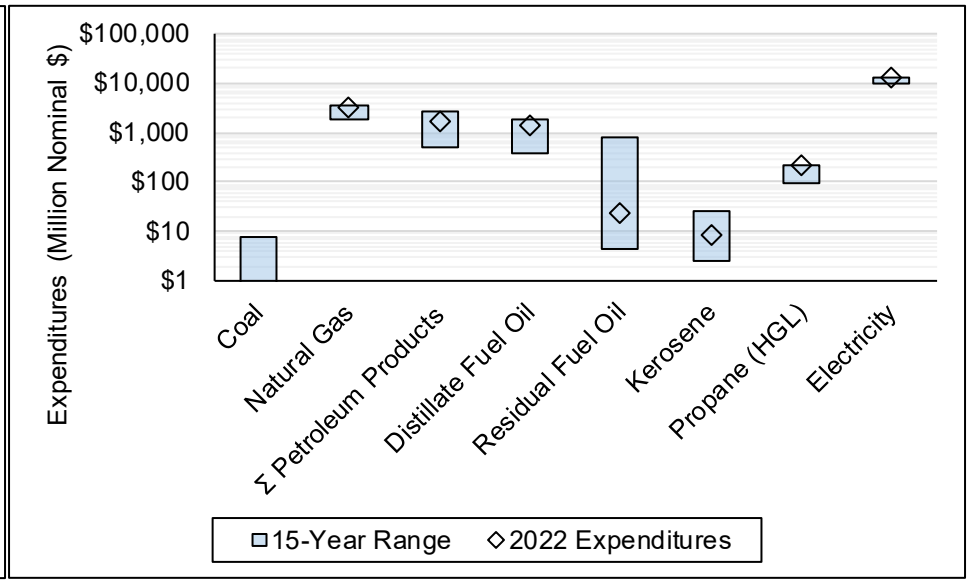


New York State Energy Profile—Commercial Fuels Prices and Expenditures

Commercial Energy Prices (Nominal $)

Year	Coal		Distillate Fuel Oil		Kerosene		Propane (HGL)		Natural Gas		Electricity		Residual Fuel Oil	
	$/MMBtu	$/Ton	$/MMBtu	¢/Gal	$/MMBtu	¢/Gal	$/MMBtu	¢/Gal	$/MMBtu	$/Mcf	$/MMBtu	¢/kWh	$/MMBtu	¢/Gal
2008	$4.49	$103.43	$23.58	324.51	$27.06	365.31	$25.52	233.08	$12.59	$12.93	$49.22	16.79	$13.27	83.43
2009	$5.80	$132.54	$15.03	206.88	$20.83	281.21	$20.59	188.06	$10.49	$10.75	$45.36	15.48	$9.94	62.49
2010	$5.91	$133.63	$18.51	254.64	$23.77	320.90	$23.59	215.46	$10.63	$10.87	$47.79	16.31	$12.90	81.10
2011	$5.78	$127.73	$24.75	340.37	$28.13	379.76	$26.90	245.69	$9.08	$9.28	$46.33	15.81	$17.41	109.46
2012			$25.80	354.69	$29.62	399.87	$21.33	194.81	$7.60	$7.79	$44.13	15.06	$18.36	115.43
2013			$25.05	344.38	$29.68	400.68	$21.01	191.89	$7.73	$7.95	$45.00	15.35	$16.84	105.87
2014			$21.81	299.78	$29.84	402.84	$22.22	202.94	$8.04	$8.31	$47.25	16.12	$14.75	92.73
2015			$14.51	199.34	$16.65	224.78	$13.40	122.39	$6.64	$6.89	$44.86	15.31	$7.83	49.23
2016			$11.47	157.58	$13.27	179.15	$12.60	115.08	$6.00	$6.23	$42.35	14.45	$6.10	38.35
2017			$13.66	187.24	$16.60	224.10	$16.48	150.71	$6.65	$6.90	$43.23	14.75	$7.80	49.04
2018			$17.09	234.78	$23.47	316.85	$17.93	163.97	$7.13	$7.40	$42.50	14.50	$10.26	64.50
2019			$15.74	216.24	$22.39	302.27	$14.29	130.69	$6.98	$7.26	$41.20	14.06	$9.78	61.49
2020			$10.61	145.76	$14.54	196.29	$13.52	123.64	$6.66	$6.92	$42.67	14.56	$7.72	48.54
2021			$17.03	233.96	$22.93	309.56	$20.71	189.40	$7.66	$7.96	$47.11	16.07	$11.49	72.24
2022			$30.23	415.30	$37.92	511.92	$21.98	201.01	$9.99	$10.37	$53.31	18.19	$18.59	116.88
% Difference 2022–2021	N/A	N/A	77.5%	77.5%	65.4%	65.4%	6.1%	6.1%	30.4%	30.3%	13.2%	13.2%	61.8%	61.8%

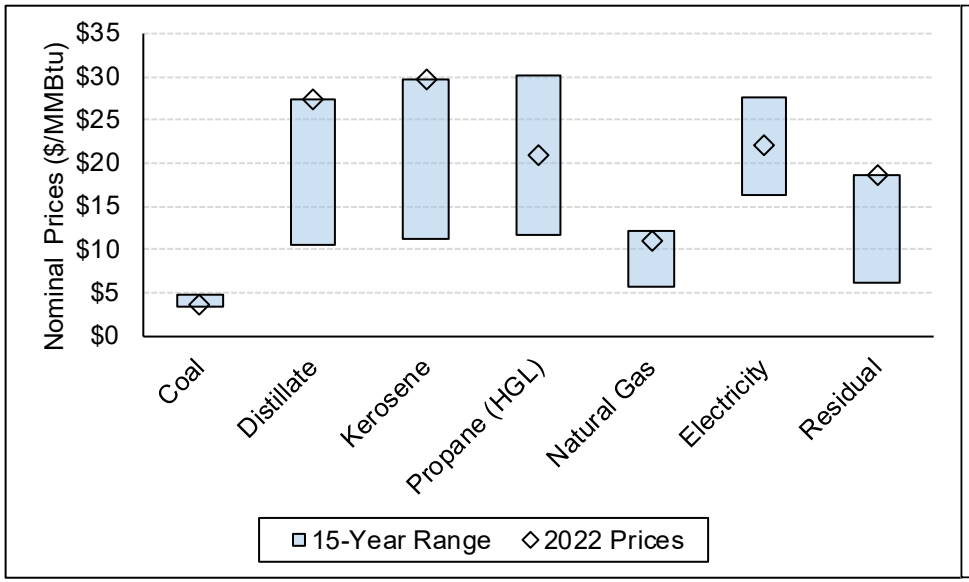


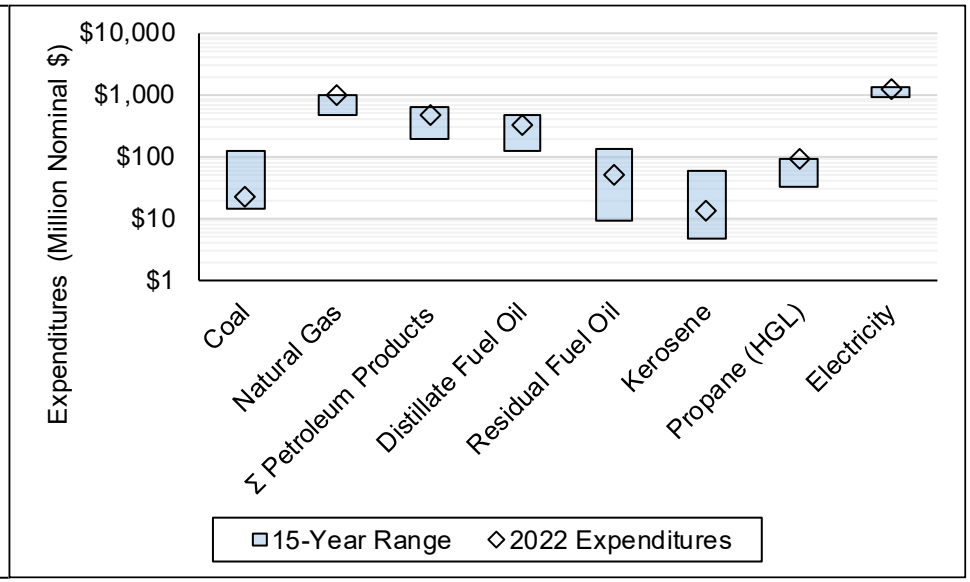


New York State Energy Profile—Industrial Fuels Prices and Expenditures

Industrial Energy Prices (Nominal $)

Year	Coal		Distillate Fuel Oil		Kerosene		Propane (HGL)		Natural Gas		Electricity		Residual Fuel Oil	
	$/MMBtu	$/Ton	$/MMBtu	¢/Gal	$/MMBtu	¢/Gal	$/MMBtu	¢/Gal	$/MMBtu	$/Mcf	$/MMBtu	¢/kWh	$/MMBtu	¢/Gal
2008	$3.44	$83.57	$23.77	327.12	$22.73	306.86	$30.16	275.46	$12.04	$12.37	$27.53	9.39	$13.27	83.43
2009	$4.01	$96.55	$14.37	197.79	$15.14	204.39	$24.91	227.51	$9.32	$9.55	$24.54	8.37	$9.94	62.49
2010	$4.44	$106.87	$19.17	263.72	$18.61	251.24	$24.66	225.23	$8.35	$8.54	$25.76	8.79	$12.90	81.10
2011	$4.74	$113.44	$23.61	324.69	$24.56	331.56	$28.47	260.03	$7.97	$8.15	$22.96	7.83	$17.41	109.46
2012	$4.73	$118.45	$24.89	342.18	$25.67	346.55	$21.95	200.48	$6.70	$6.87	$19.62	6.69	$18.36	115.43
2013	$4.37	$109.92	$24.20	332.69	$26.03	351.41	$21.57	197.01	$7.19	$7.39	$19.30	6.59	$16.84	105.87
2014	$4.24	$105.96	$22.79	313.25	$24.64	332.64	$22.99	209.98	$7.87	$8.13	$19.28	6.58	$14.75	92.73
2015	$4.02	$100.07	$15.05	206.76	$14.41	194.54	$12.65	115.54	$6.41	$6.65	$18.49	6.31	$7.83	49.23
2016	$3.60	$89.39	$11.28	154.97	$11.28	152.28	$11.71	106.95	$5.74	$5.96	$17.67	6.03	$6.10	38.35
2017	$4.08	$100.93	$14.71	201.63	$14.29	192.92	$15.65	143.12	$6.98	$7.24	$17.36	5.92	$7.80	49.04
2018	$4.48	$110.54	$17.33	238.08	$17.92	241.92	$17.08	156.20	$7.58	$7.87	$17.64	6.02	$10.26	64.50
2019	$3.42	$84.39	$14.67	201.54	$16.96	228.96	$13.42	122.73	$7.46	$7.76	$16.45	5.61	$9.78	61.49
2020	$3.67	$90.18	$10.47	143.84	$12.53	169.16	$12.64	115.60	$6.77	$7.03	$16.25	5.54	$7.72	48.54
2021	$3.36	$82.73	$14.39	197.69	$16.61	224.24	$19.77	180.80	$8.12	$8.44	$18.59	6.34	$11.49	72.24
2022	$3.65	$89.53	$27.52	378.07	$29.72	401.22	$20.98	191.87	$10.95	$11.37	$22.13	7.55	$18.59	116.88
% Difference 2022–2021	8.6%	8.2%	91.2%	91.2%	78.9%	78.9%	6.1%	6.1%	34.9%	34.7%	19.0%	19.0%	61.8%	61.8%

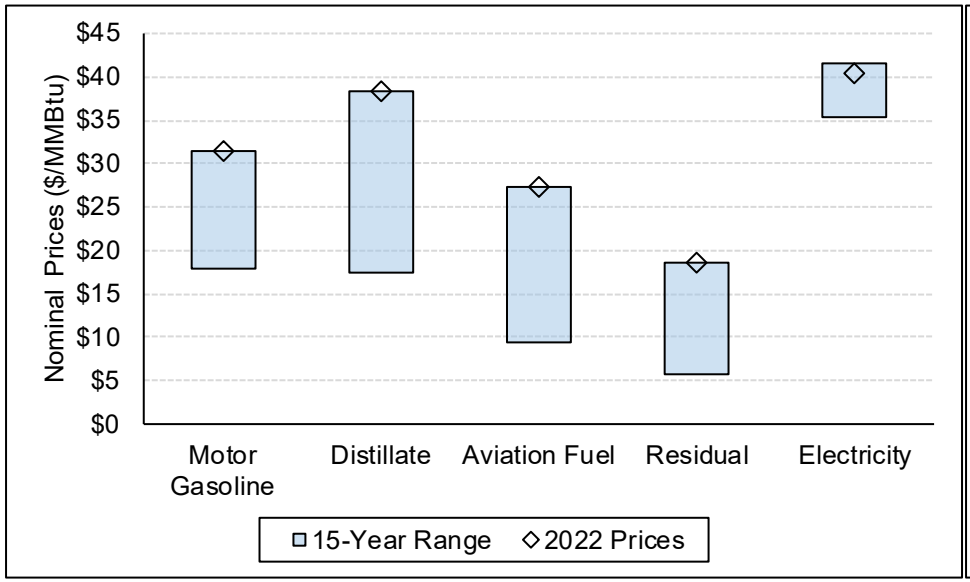


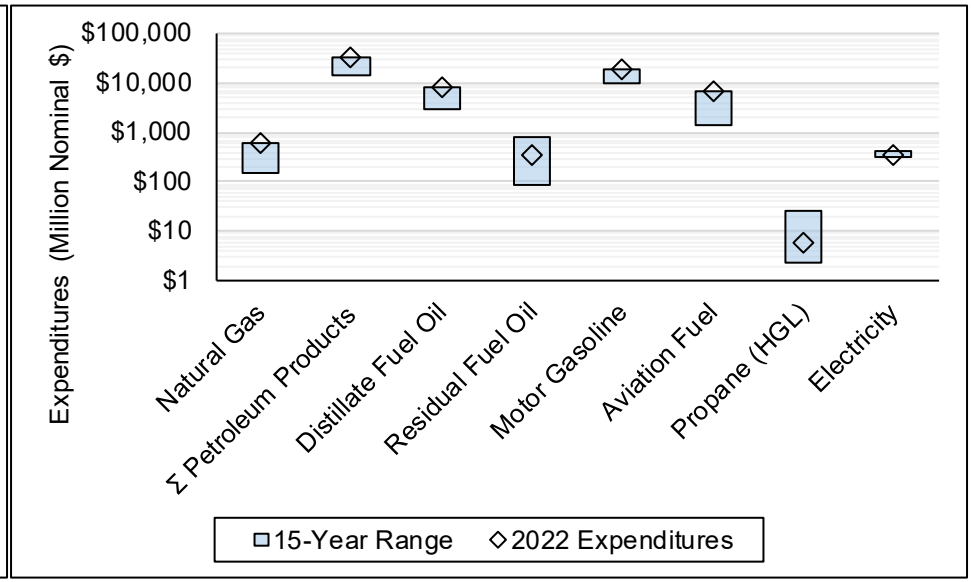


New York State Energy Profile—Transportation Fuels Prices and Expenditures

Transportation Energy Prices (Nominal $)

Year	Motor Gasoline		Distillate Fuel Oil		Aviation Fuel		Residual Fuel Oil		Electricity	
	$/MMBtu	¢/Gal	$/MMBtu	¢/Gal	$/MMBtu	¢/Gal	$/MMBtu	¢/Gal	$/MMBtu	¢/kWh
2008	$26.79	326.97	$28.28	389.19	$23.13	312.26	$12.08	75.95	$37.05	12.64
2009	$19.41	235.74	$18.27	251.47	$12.64	170.64	$8.24	51.80	$38.49	13.13
2010	$22.98	277.84	$22.32	307.06	$16.43	221.81	$10.86	68.28	$40.28	13.74
2011	$29.16	351.86	$28.52	392.22	$22.77	307.40	$14.81	93.11	$39.41	13.45
2012	$30.20	364.05	$29.45	404.87	$23.16	312.66	$15.40	96.82	$41.63	14.20
2013	$29.43	354.70	$28.83	396.34	$22.15	299.03	$15.52	97.57	$40.01	13.65
2014	$28.37	341.79	$28.66	393.94	$20.61	278.24	$13.19	82.93	$40.49	13.82
2015	$20.47	246.61	$21.04	289.05	$11.99	161.87	$7.46	46.90	$37.97	12.96
2016	$18.13	218.38	$17.54	240.97	$9.49	128.12	$5.60	35.21	$35.33	12.05
2017	$20.12	242.06	$20.31	278.39	$12.21	164.84	$7.55	47.47	$37.12	12.67
2018	$22.23	267.50	$24.18	332.19	$16.00	216.00	$9.99	62.81	$35.57	12.14
2019	$20.97	252.24	$23.50	322.85	$14.77	199.40	$10.00	62.87	$36.00	12.28
2020	$17.86	214.83	$20.20	277.51	$10.04	135.54	$7.29	45.83	$35.57	12.14
2021	$23.87	287.01	$24.66	338.78	$14.70	198.45	$10.97	68.97	$37.13	12.67
2022	$31.56	379.40	$38.47	528.50	$27.35	369.23	$18.65	117.25	$40.55	13.84
% Difference 2022–2021	32.2%	32.2%	56.0%	56.0%	86.1%	86.1%	70.0%	70.0%	9.2%	9.2%





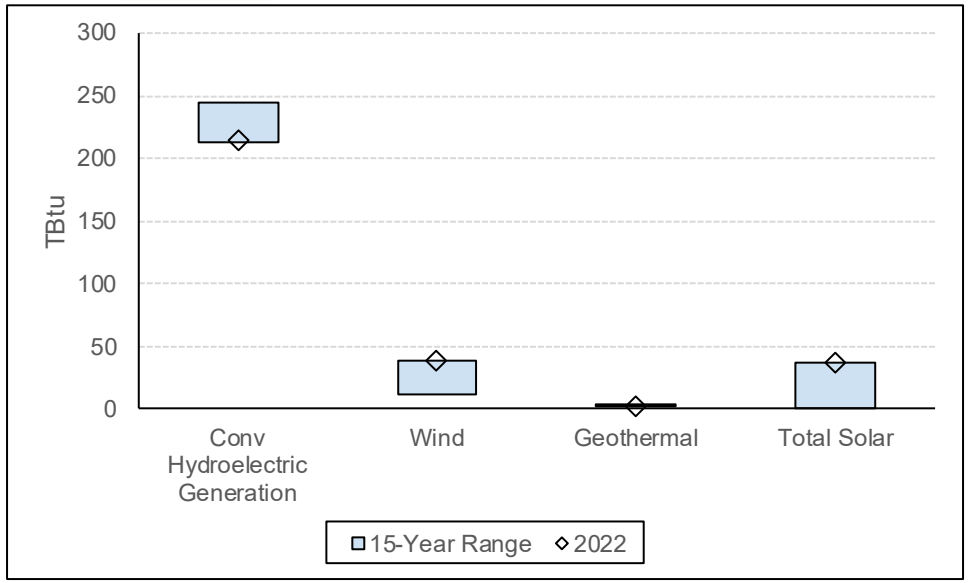
New York State Energy Profile—Renewables

Renewables 15-Year Consumption Summary

Year	Conventional Hydroelectric Generation		Wind		Geothermal[2,3]	Renewable Diesel[3]		Solar (Electric Sector Generation)		Solar (Distributed GWh)		Total Solar (GWh)		
	TBtu[1,2]	GWh[1]	TBtu[1,2]	GWh[1]	TBtu	TBtu	Mbbl	TBtu[1,2]	GWh[1]	NYISO	USEIA	NYISO	USEIA	NYGATS
2008	234.9 [87.7]	25,711.0	11.4 [4.3]	1,250.7	2.2 [0.8]			0 [0]	0.0	17.0	24.0	17.0	24.0	
2009	239.1 [90.1]	26,420.0	20.5 [7.7]	2,266.3	2.5 [1]			0 [0]	0.0	29.0	33.0	29.0	33.0	
2010	217.4 [82.6]	24,214.0	23.3 [8.9]	2,596.2	2.8 [1.1]			0 [0]	0.0	53.0	56.0	53.0	56.0	
2011	244.3 [94.3]	27,634.1	25 [9.6]	2,828.1	3.3 [1.3]			0.1 [0]	6.5	79.0	86.0	85.5	92.0	
2012	213.8 [83.8]	24,572.3	26 [10.2]	2,991.6	3 [1.2]			0.5 [0.2]	53.1	122.0	149.0	175.1	202.0	
2013	218.2 [87.5]	25,631.0	30.1 [12.1]	3,539.5	3 [1.2]			0.4 [0.2]	51.8	199.0	207.0	250.8	274.0	
2014	217.2 [88.6]	25,974.0	33.3 [13.6]	3,985.8	2.9 [1.2]			0.4 [0.2]	51.0	324.0	350.0	375.0	421.0	
2015	214.4 [88.3]	25,879.4	33 [13.6]	3,983.8	2.9 [1.2]			0.4 [0.2]	52.3	538.0	591.0	590.3	689.0	
2016	216.7 [89.8]	26,314.1	32.5 [13.5]	3,943.3	2.9 [1.2]			0.4 [0.2]	53.7	785.0	877.0	838.7	1,014.0	924.1
2017	240.1 [100.8]	29,554.2	34.3 [14.4]	4,219.2	2.8 [1.2]			0.4 [0.2]	47.3	1,027.0	1,186.0	1,074.3	1,364.0	1,045.5
2018	234.3 [99.1]	29,045.0	32.1 [13.6]	3,985.1	2.8 [1.2]	0.1	26.0	0.4 [0.2]	48.8	1,504.0	1,501.0	1,552.8	1,795.0	1,574.9
2019	238 [102.8]	30,141.3	35.2 [15.2]	4,453.6	2.7 [1.2]			0.4 [0.2]	52.1	2,208.0	1,868.0	2,260.1	2,375.0	2,196.2
2020	231.8 [100.7]	29,521.0	32.7 [14.2]	4,163.0	2.7 [1.2]			0.4 [0.2]	48.0	2,631.0	2,308.0	2,679.0	3,130.0	2,616.9
2021	223.4 [97.8]	28,674.7	32 [14]	4,110.7	2.7 [1.2]			0.4 [0.2]	49.8	3,545.0	2,719.0	3,594.8	3,862.0	3,439.3
2022	214.4 [93.3]	27,354.3	37.8 [16.5]	4,825.1	2.7 [1.2]			0.9 [0.4]	110.4	4,635.0	3,492.0	4,745.4	5,257.0	4,239.2
% Difference 2022–2021	-4.0%	-4.6%	18.1%	17.4%	0.6%	N/A	N/A	123.0%	121.7%	30.7%	28.4%	32.0%	36.1%	23.3%

Notes:

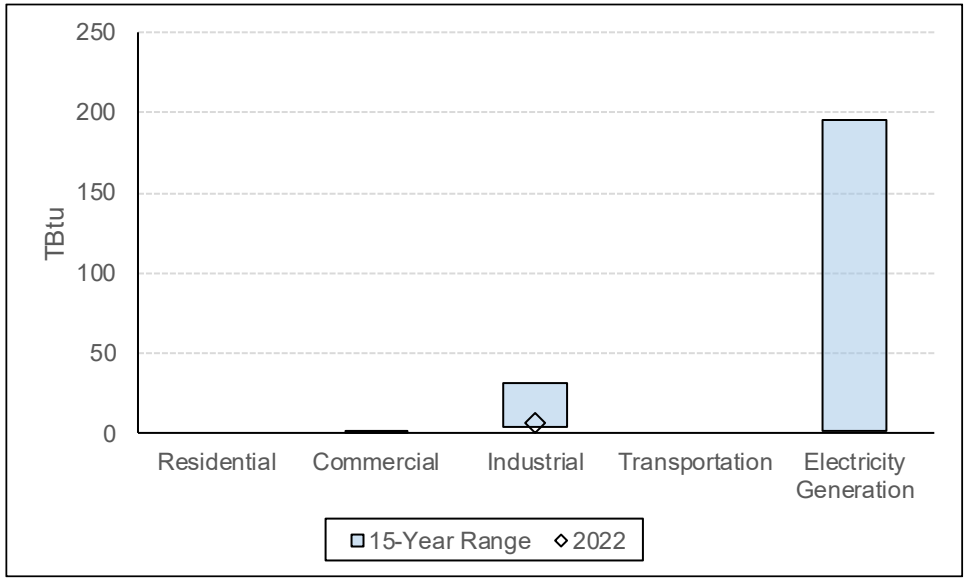
1. Source data from NYISO Gold Book(s) (NYISO, 2023).
2. Conversions utilized are presented as fossil fuel equivalency method. Captured energy method is bracketed. Graphics present Fossil Fuel Equivalency method.
3. Source is EIA SEDS with conversions presented by NYSERDA.
4. NYGATS = New York Generation Attribute Tracking System



New York State Energy Profile—Coal

Coal 15-Year Consumption Summary by Sector

Year	Residential		Commercial		Industrial		Transportation		Electricity Generation	
	TBtu	Mtons	TBtu	Mtons	TBtu	Mtons	TBtu	Mtons	TBtu	Mtons
2008			1.7	68.0	31.6	1,205.0			195.6	8,885.0
2009			0.6	22.0	23.6	902.0			131.8	6,108.0
2010			0.1	3.0	25.4	979.0			141.6	6,384.0
2011			0.1	4.0	25.9	1,008.0			99.2	4,591.0
2012					24.2	909.0			48.7	2,228.0
2013					21.6	816.0			47.2	2,225.0
2014					18.7	714.0			45.9	2,154.0
2015					19.3	723.0			22.0	1,038.0
2016					14.0	521.0			15.6	654.0
2017					13.3	496.0			6.3	242.0
2018					9.7	364.0			7.0	272.0
2019					8.9	349.0			4.8	187.0
2020					4.0	158.0			1.6	64.0
2021					5.4	211.0				
2022					6.1	241.0				
% Difference 2022–2021	N/A	N/A	N/A	N/A	14.4%	14.2%	N/A	N/A	N/A	N/A



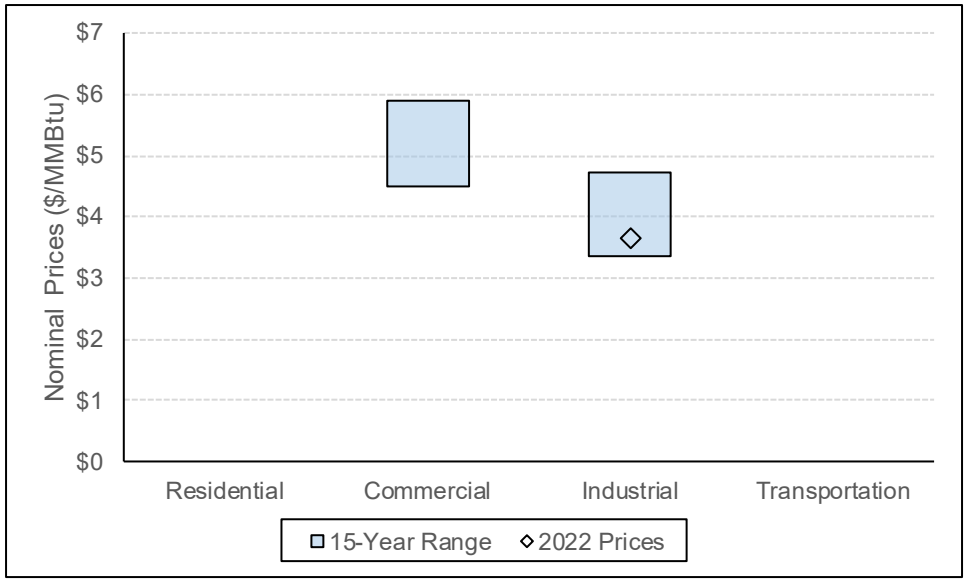
New York State Energy Profile—Coal

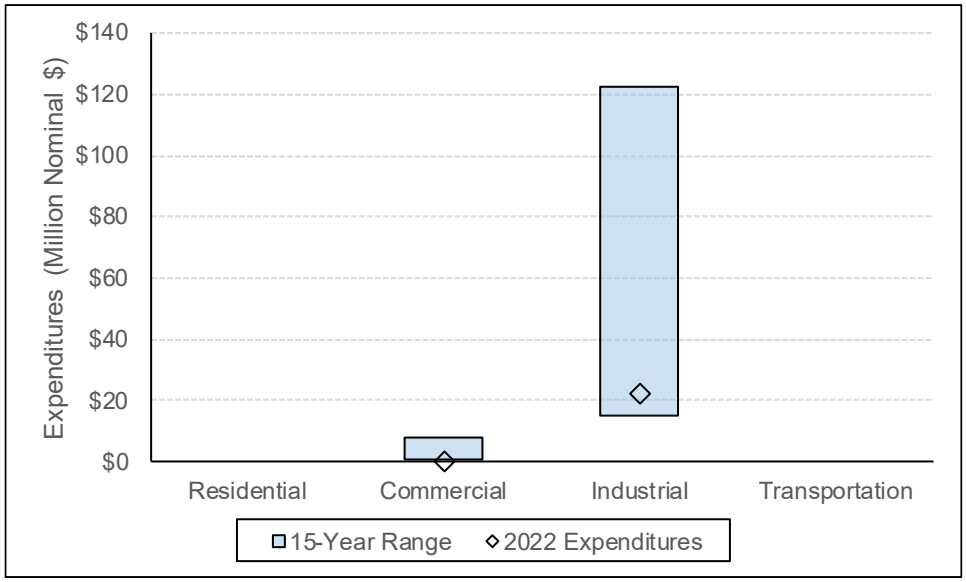
Coal 15-Year Prices Summary (Nominal $/MMBtu)

Year	Residential	Commercial	Industrial	Transportation
2008		$4.49	$3.44	
2009		$5.80	$4.01	
2010		$5.91	$4.44	
2011		$5.78	$4.74	
2012			$4.73	
2013			$4.37	
2014			$4.24	
2015			$4.02	
2016			$3.60	
2017			$4.08	
2018			$4.48	
2019			$3.42	
2020			$3.67	
2021			$3.36	
2022			$3.65	
% Difference 2022–2021	N/A	N/A	8.6%	N/A

Coal 15-Year Expenditures Summary (Million Nominal $)

Year	Residential	Commercial	Industrial	Transportation
2008		$7.68	$108.79	
2009		$3.20	$94.53	
2010		$0.46	$112.98	
2011		$0.63	$122.70	
2012			$114.33	
2013			$94.20	
2014			$79.34	
2015			$77.52	
2016			$50.57	
2017			$54.19	
2018			$43.57	
2019			$30.40	
2020			$14.80	
2021			$18.04	
2022			$22.42	
% Difference 2022–2021	N/A	N/A	24.3%	N/A

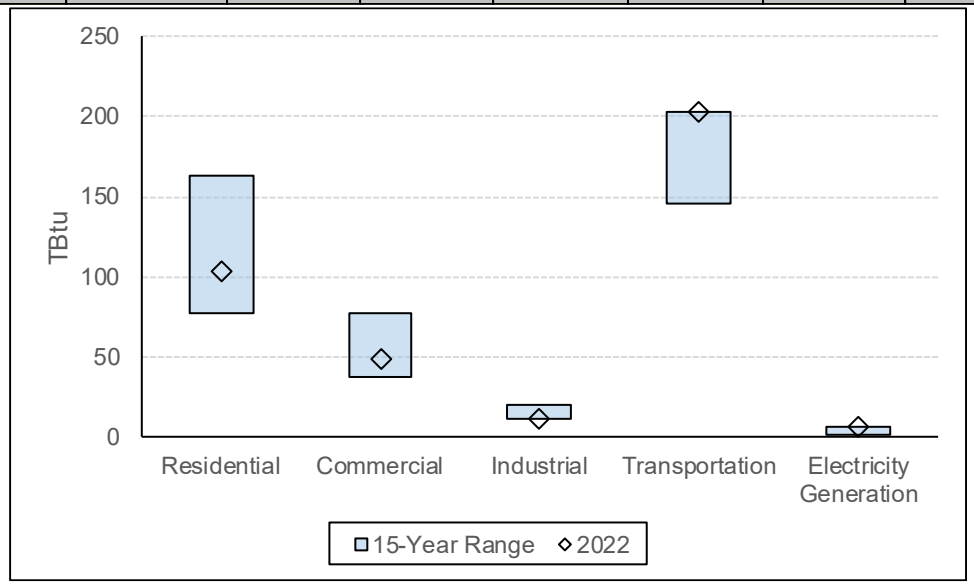




New York State Energy Profile—Distillate Fuel Oil

Distillate Fuel Oil 15-Year Consumption Summary by Sector

Year	Residential		Commercial		Industrial		Transportation		Electricity Generation	
	TBtu	Mbbl	TBtu	Mbbl	TBtu	Mbbl	TBtu	Mbbl	TBtu	Mbbl
2008	162.6	28,139.0	77.7	13,447.0	19.7	3,409.0	158.9	27,071.0	4.7	809.0
2009	119.9	20,755.0	69.7	12,062.0	16.9	2,931.0	157.5	27,231.0	4.3	736.0
2010	114.2	19,781.0	58.0	10,050.0	13.1	2,274.0	161.2	27,890.0	3.7	637.0
2011	106.5	18,454.0	59.5	10,310.0	16.2	2,809.0	158.2	27,325.0	1.9	331.0
2012	126.5	21,943.0	49.6	8,602.0	14.4	2,502.0	152.6	26,370.0	2.3	392.0
2013	104.9	18,199.0	53.2	9,223.0	13.1	2,274.0	146.0	25,263.0	2.9	503.0
2014	113.4	19,682.0	48.6	8,434.0	11.5	2,001.0	155.3	26,872.0	4.8	833.0
2015	121.8	21,140.0	55.5	9,634.0	11.7	2,031.0	162.3	28,072.0	4.8	835.0
2016	89.3	15,511.0	46.6	8,095.0	10.8	1,872.0	173.2	29,982.0	2.0	344.0
2017	83.6	14,519.0	45.7	7,935.0	11.0	1,904.0	174.2	30,164.0	1.5	264.0
2018	107.7	18,696.0	46.7	8,111.0	11.2	1,953.0	185.1	32,013.0	4.5	790.0
2019	105.7	18,350.0	48.2	8,364.0	14.7	2,544.0	171.5	29,656.0	2.2	382.0
2020	77.7	13,495.0	37.1	6,437.0	13.4	2,330.0	160.4	27,771.0	1.0	180.0
2021	102.2	17,739.0	48.7	8,452.0	11.8	2,039.0	179.8	31,064.0	1.2	208.0
2022	103.6	17,968.0	48.7	8,451.0	11.9	2,061.0	202.7	35,017.0	6.1	1,058.0
% Difference 2022–2021	1.3%	1.3%	0.0%	0.0%	1.1%	1.1%	12.7%	12.7%	408.1%	408.7%



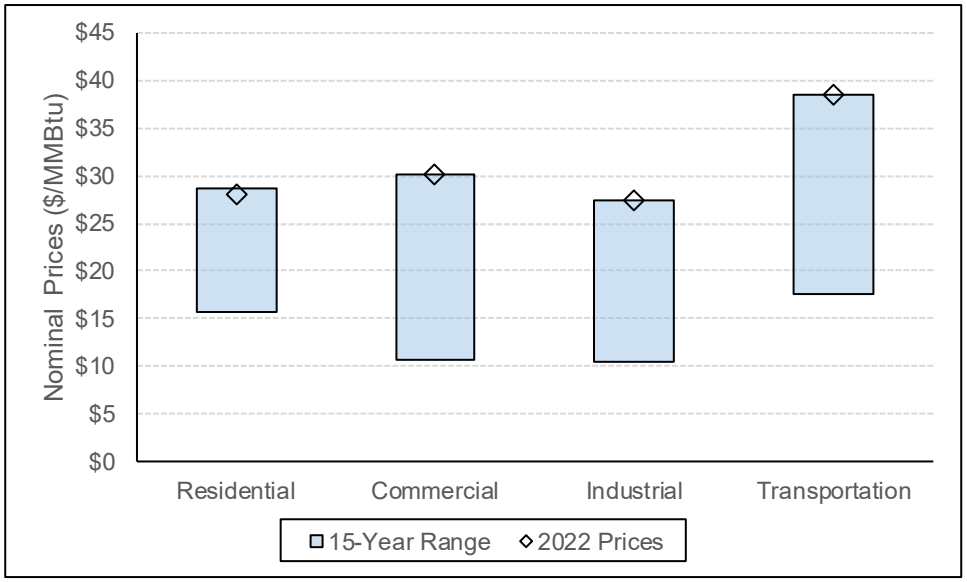
New York State Energy Profile—Distillate Fuel Oil

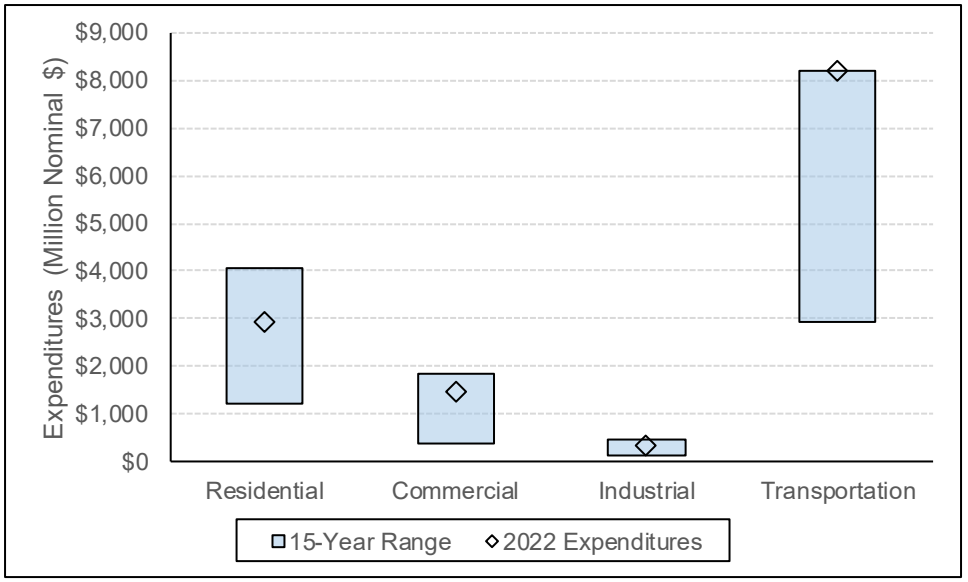
Distillate Fuel Oil 15-Year Prices Summary (Nominal $/MMBtu)

Year	Residential	Commercial	Industrial	Transportation
2008	$24.89	$23.58	$23.77	$28.28
2009	$18.93	$15.03	$14.37	$18.27
2010	$21.89	$18.51	$19.17	$22.32
2011	$25.83	$24.75	$23.61	$28.52
2012	$28.71	$25.80	$24.89	$29.45
2013	$28.28	$25.05	$24.20	$28.83
2014	$27.59	$21.81	$22.79	$28.66
2015	$19.28	$14.51	$15.05	$21.04
2016	$16.57	$11.47	$11.28	$17.54
2017	$18.43	$13.66	$14.71	$20.31
2018	$20.30	$17.09	$17.33	$24.18
2019	$19.25	$15.74	$14.67	$23.50
2020	$15.75	$10.61	$10.47	$20.20
2021	$18.59	$17.03	$14.39	$24.66
2022	$28.13	$30.23	$27.52	$38.47
% Difference 2022–2021	51.3%	77.5%	91.2%	56.0%

Distillate Fuel Oil 15-Year Expenditures Summary (Million Nominal $)

Year	Residential	Commercial	Industrial	Transportation
2008	$4,048.18	$1,832.76	$468.39	$4,492.65
2009	$2,269.78	$1,047.32	$243.28	$2,920.42
2010	$2,500.63	$1,074.28	$251.80	$3,640.73
2011	$2,750.43	$1,472.35	$382.65	$4,695.59
2012	$3,633.05	$1,279.91	$359.11	$4,686.03
2013	$2,966.01	$1,331.46	$317.14	$4,385.45
2014	$3,129.48	$1,060.05	$262.84	$4,633.32
2015	$2,348.52	$805.44	$176.10	$3,555.82
2016	$1,479.63	$534.52	$121.58	$3,172.71
2017	$1,540.45	$624.00	$161.24	$3,701.66
2018	$2,185.66	$798.29	$194.93	$4,699.55
2019	$2,034.24	$758.16	$214.93	$4,263.25
2020	$1,223.41	$393.11	$140.40	$3,404.02
2021	$1,900.77	$829.67	$169.14	$4,674.67
2022	$2,913.85	$1,472.81	$326.99	$8,198.50
% Difference 2022–2021	53.3%	77.5%	93.3%	75.4%

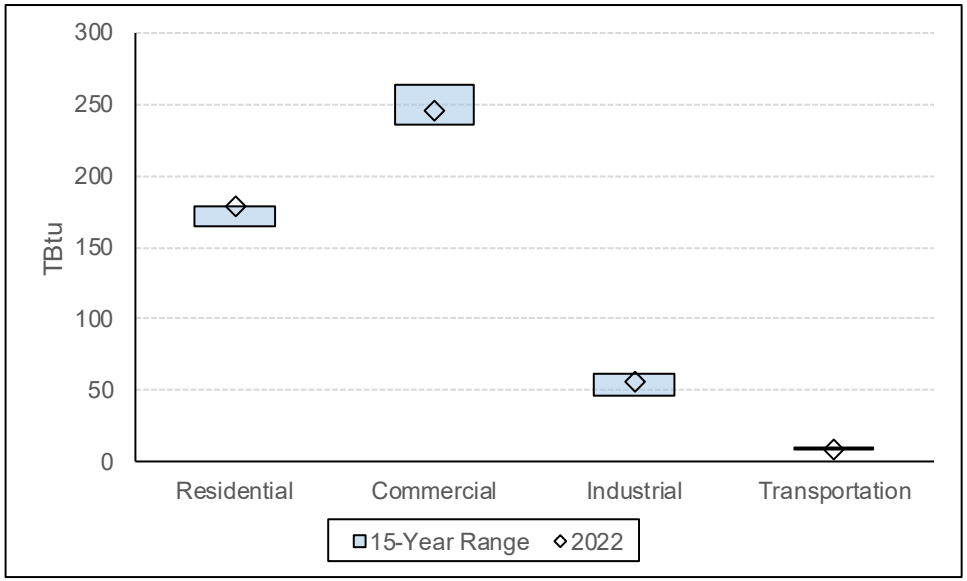




New York State Energy Profile—Electricity

Electricity 15-Year Consumption Summary by Sector

Year	Residential		Commercial		Industrial		Transportation	
	TBtu	GWh	TBtu	GWh	TBtu	GWh	TBtu	GWh
2008	167.3	49,034.0	264.1	77,416.0	50.1	14,685.0	10.0	2,918.0
2009	164.6	48,246.0	257.1	75,347.0	45.8	13,417.0	10.3	3,025.0
2010	173.8	50,946.0	263.7	77,276.0	46.0	13,480.0	10.0	2,922.0
2011	174.8	51,240.0	260.7	76,406.0	45.8	13,420.0	10.2	2,981.0
2012	173.0	50,692.0	259.4	76,018.0	46.8	13,705.0	9.4	2,748.0
2013	173.3	50,777.0	260.5	76,342.0	61.1	17,911.0	9.8	2,864.0
2014	170.5	49,975.0	261.2	76,541.0	61.4	18,003.0	9.7	2,853.0
2015	174.1	51,013.0	262.7	77,006.0	61.7	18,079.0	9.6	2,816.0
2016	173.4	50,831.0	261.0	76,507.0	60.4	17,709.0	9.4	2,756.0
2017	167.5	49,081.0	257.0	75,333.0	60.8	17,811.0	9.4	2,767.0
2018	177.9	52,153.0	261.9	76,745.0	61.7	18,077.0	10.1	2,954.0
2019	171.1	50,141.0	256.2	75,091.0	59.9	17,548.0	9.6	2,820.0
2020	178.3	52,257.0	235.4	68,989.0	56.7	16,610.0	8.7	2,550.0
2021	178.0	52,157.0	238.6	69,920.0	57.6	16,891.0	8.4	2,455.0
2022	178.2	52,227.0	246.4	72,206.0	55.2	16,178.0	8.9	2,600.0
% Difference 2022–2021	0.1%	0.1%	3.3%	3.3%	-4.2%	-4.2%	5.9%	5.9%



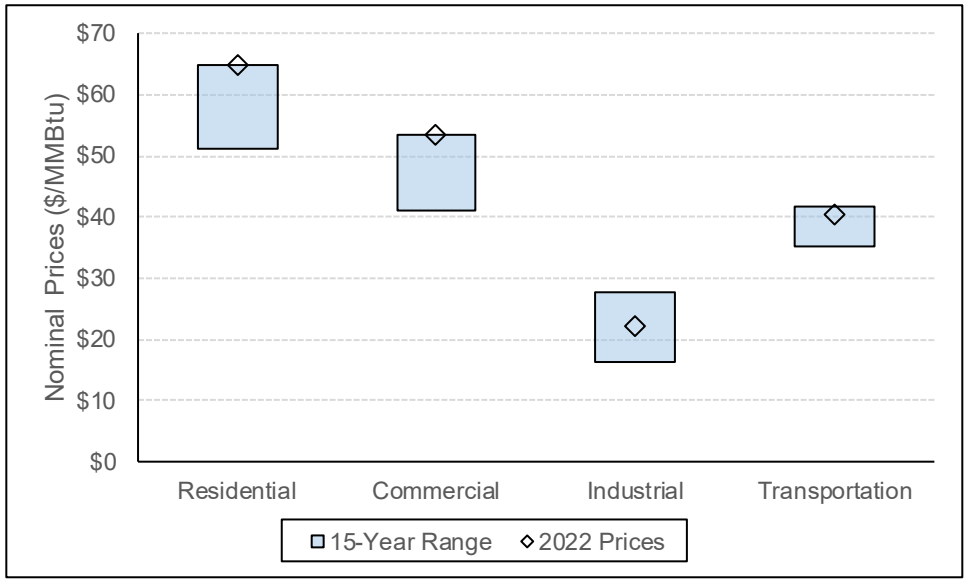
New York State Energy Profile—Electricity

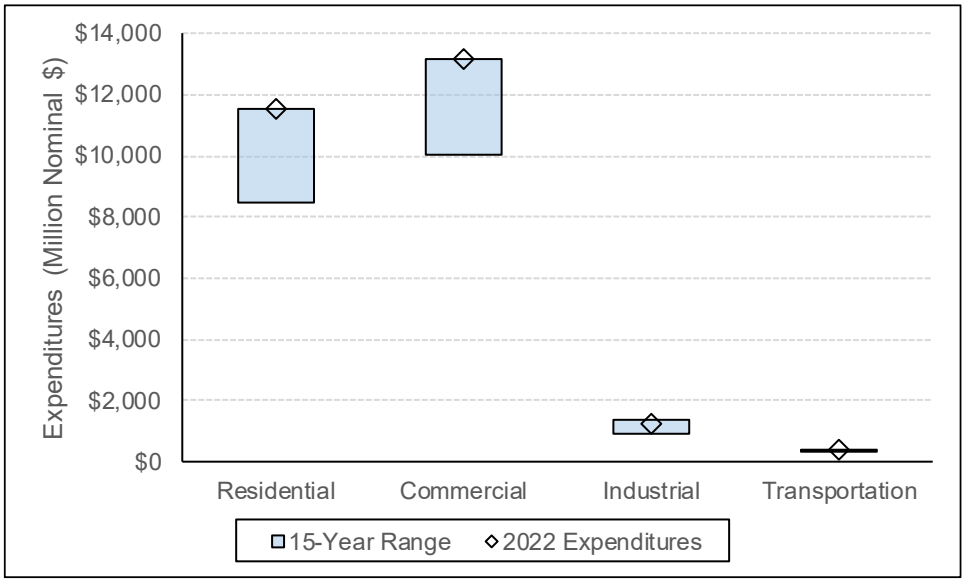
Electricity 15-Year Prices Summary (Nominal $/MMBtu)

Year	Residential	Commercial	Industrial	Transportation
2008	$53.66	$49.22	$27.53	$37.05
2009	$51.29	$45.36	$24.54	$38.49
2010	$54.93	$47.79	$25.76	$40.28
2011	$53.52	$46.33	$22.96	$39.41
2012	$51.63	$44.13	$19.62	$41.63
2013	$55.08	$45.00	$19.30	$40.01
2014	$58.83	$47.25	$19.28	$40.49
2015	$54.33	$44.86	$18.49	$37.97
2016	$51.51	$42.35	$17.67	$35.33
2017	$52.84	$43.23	$17.36	$37.12
2018	$54.28	$42.50	$17.64	$35.57
2019	$52.58	$41.20	$16.45	$36.00
2020	$53.82	$42.67	$16.25	$35.57
2021	$57.10	$47.11	$18.59	$37.13
2022	$64.71	$53.31	$22.13	$40.55
% Difference 2022–2021	13.3%	13.2%	19.0%	9.2%

Electricity 15-Year Expenditures Summary (Million Nominal $)

Year	Residential	Commercial	Industrial	Transportation
2008	$8,977.53	$13,001.07	$1,379.42	$368.87
2009	$8,443.10	$11,661.33	$1,123.37	$397.26
2010	$9,548.32	$12,600.55	$1,184.83	$401.55
2011	$9,356.90	$12,078.09	$1,051.34	$400.84
2012	$8,929.87	$11,446.13	$917.49	$390.32
2013	$9,542.72	$11,721.60	$1,179.46	$391.06
2014	$10,031.34	$12,339.67	$1,184.29	$394.17
2015	$9,456.41	$11,786.65	$1,140.57	$364.82
2016	$8,933.69	$11,055.13	$1,067.69	$332.17
2017	$8,848.80	$11,111.75	$1,055.02	$350.41
2018	$9,658.96	$11,128.88	$1,088.00	$358.55
2019	$8,995.44	$10,555.85	$984.94	$346.39
2020	$9,596.16	$10,044.09	$920.97	$309.49
2021	$10,161.46	$11,238.99	$1,071.40	$311.04
2022	$11,531.32	$13,133.72	$1,221.55	$359.68
% Difference 2022–2021	13.5%	16.9%	14.0%	15.6%

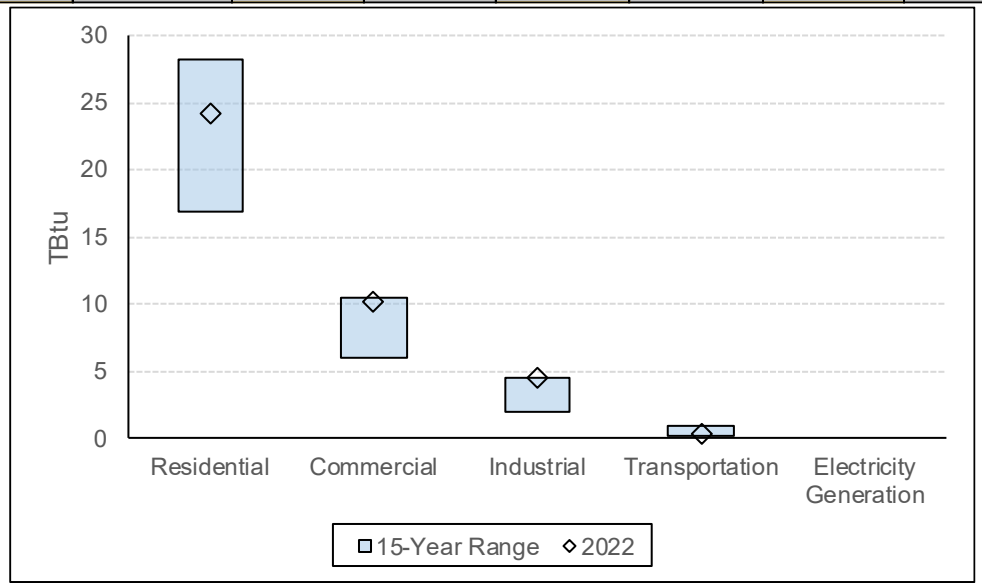




New York State Energy Profile—Propane (HGL)

Propane (HGL) 15-Year Consumption Summary by Sector

Year	Residential		Commercial		Industrial		Transportation		Electricity Generation	
	TBtu	Mbbl	TBtu	Mbbl	TBtu	Mbbl	TBtu	Mbbl	TBtu	Mbbl
2008	22.6	5,885.0	6.3	1,641.0	2.5	753.0	1.0	257.0		
2009	22.8	5,940.0	6.6	1,724.0	1.9	583.0	0.4	97.0		
2010	22.2	5,781.0	6.6	1,718.0	2.3	611.0	0.1	29.0		
2011	19.8	5,146.0	6.9	1,797.0	2.8	718.0	0.1	27.0		
2012	16.8	4,381.0	6.0	1,558.0	3.5	903.0	0.1	28.0		
2013	19.4	5,051.0	6.5	1,693.0	3.4	875.0	0.1	38.0		
2014	24.8	6,463.0	6.8	1,776.0	3.6	950.0	0.2	41.0		
2015	22.5	5,849.0	7.3	1,892.0	3.1	817.0	0.2	51.0		
2016	21.2	5,529.0	7.9	2,061.0	3.3	868.0	0.2	59.0		
2017	21.9	5,698.0	7.8	2,023.0	2.3	608.0	0.5	131.0		
2018	27.3	7,098.0	8.1	2,118.0	2.6	665.0	0.3	71.0		
2019	28.3	7,361.0	8.4	2,200.0	2.5	647.0	0.3	68.0		
2020	25.6	6,652.0	9.5	2,472.0	2.9	760.0	0.2	47.0		
2021	25.6	6,656.0	10.5	2,731.0	3.7	973.0	0.2	41.0		
2022	24.2	6,300.0	10.2	2,651.0	4.5	1,164.0	0.3	72.0		
% Difference 2022–2021	-5.4%	-5.3%	-2.9%	-2.9%	19.7%	19.6%	77.1%	75.6%	N/A	N/A



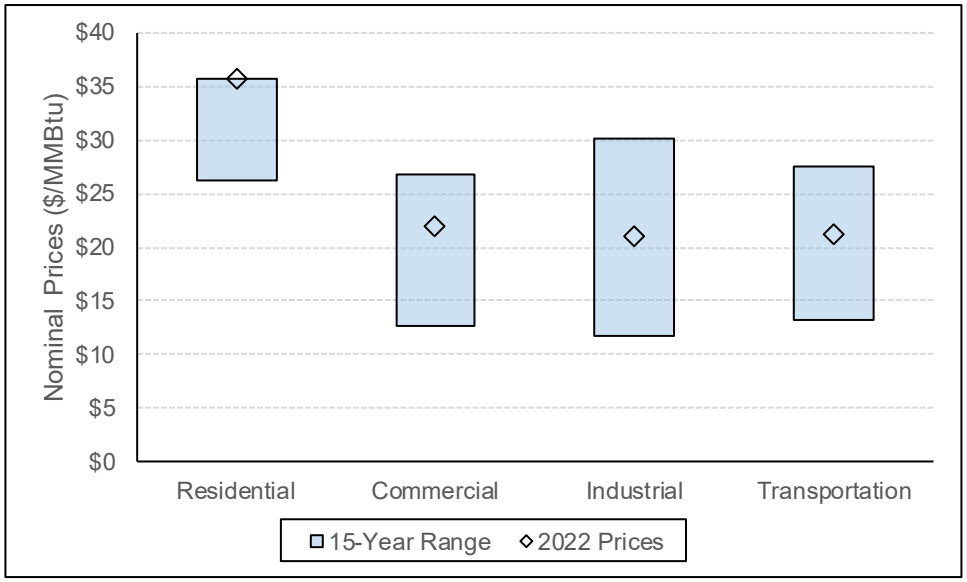
New York State Energy Profile—Propane (HGL)

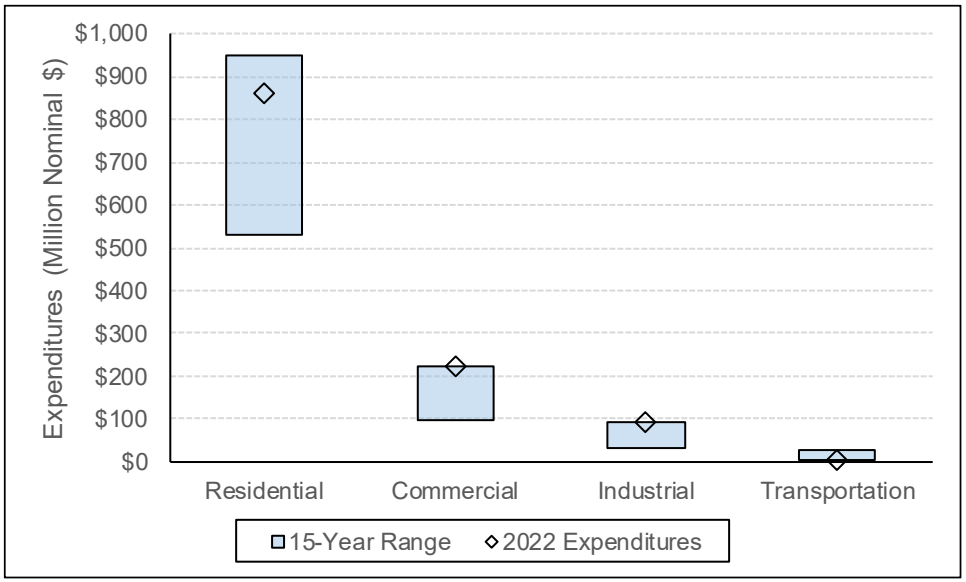
Propane (HGL) 15-Year Prices Summary (Nominal $/MMBtu)

Year	Residential	Commercial	Industrial	Transportation
2008	$31.28	$25.52	$30.16	$25.94
2009	$28.36	$20.59	$24.91	$20.48
2010	$30.08	$23.59	$24.66	$24.32
2011	$33.78	$26.90	$28.47	$27.58
2012	$31.54	$21.33	$21.95	$21.98
2013	$31.25	$21.01	$21.57	$21.66
2014	$34.49	$22.22	$22.99	$22.88
2015	$27.53	$13.40	$12.65	$14.01
2016	$27.04	$12.60	$11.71	$13.20
2017	$32.05	$16.48	$15.65	$17.27
2018	$34.88	$17.93	$17.08	$18.62
2019	$30.00	$14.29	$13.42	$14.91
2020	$26.18	$13.52	$12.64	$13.85
2021	$31.74	$20.71	$19.77	$21.13
2022	$35.68	$21.98	$20.98	$21.16
% Difference 2022–2021	12.4%	6.1%	6.1%	0.1%

Propane (HGL) 15-Year Expenditures Summary (Million Nominal $)

Year	Residential	Commercial	Industrial	Transportation
2008	$707.08	$160.83	$76.52	$25.63
2009	$647.03	$136.39	$48.10	$7.62
2010	$667.93	$155.65	$57.85	$2.68
2011	$667.73	$185.69	$78.55	$2.90
2012	$530.69	$127.62	$76.14	$2.35
2013	$606.25	$136.67	$72.52	$3.14
2014	$856.18	$151.61	$83.87	$3.57
2015	$618.49	$97.38	$39.70	$2.73
2016	$574.28	$99.73	$39.02	$3.00
2017	$701.41	$128.05	$36.53	$8.69
2018	$951.00	$145.88	$43.61	$5.12
2019	$848.25	$120.74	$33.38	$3.88
2020	$668.95	$128.39	$36.90	$2.48
2021	$811.53	$217.27	$73.86	$3.32
2022	$863.35	$223.80	$93.84	$5.88
% Difference 2022–2021	6.4%	3.0%	27.1%	77.3%

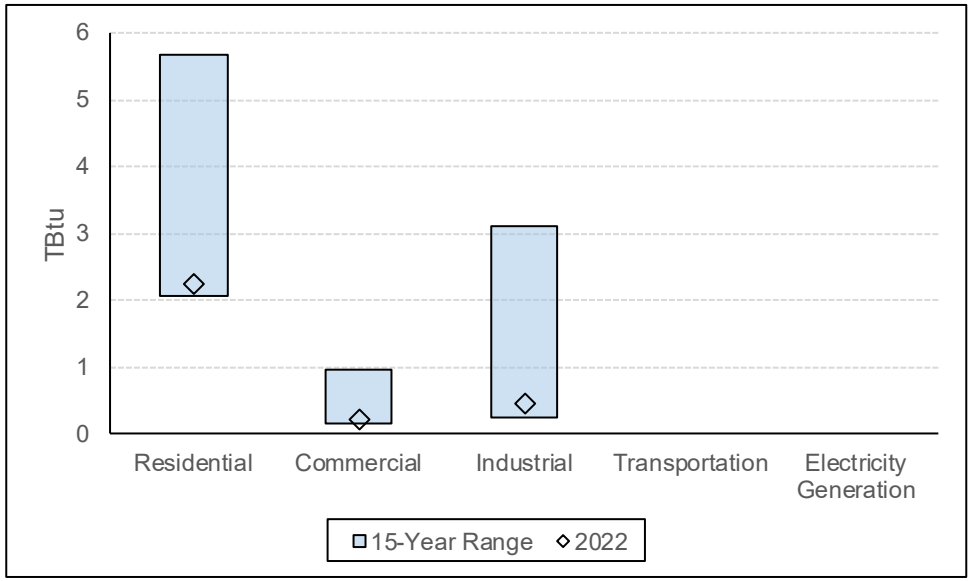




New York State Energy Profile—Kerosene

Kerosene 15-Year Consumption Summary by Sector

Year	Residential		Commercial		Industrial		Transportation		Electricity Generation	
	TBtu	Mbbl	TBtu	Mbbl	TBtu	Mbbl	TBtu	Mbbl	TBtu	Mbbl
2008	3.7	661.0	0.7	128.0	0.2	41.0				
2009	5.5	973.0	1.0	169.0	0.4	76.0				
2010	5.7	999.0	0.9	154.0	3.1	548.0				
2011	4.1	726.0	1.0	168.0	0.9	164.0				
2012	2.1	365.0	0.3	60.0	0.8	144.0				
2013	2.2	394.0	0.2	28.0	0.5	84.0				
2014	3.8	672.0	0.3	54.0	0.9	153.0				
2015	2.6	458.0	0.2	28.0	0.7	127.0				
2016	3.4	602.0	0.3	57.0	1.0	176.0				
2017	2.3	402.0	0.2	31.0	0.3	58.0				
2018	2.1	376.0	0.2	41.0	0.7	124.0				
2019	3.3	576.0	0.4	74.0	0.7	121.0				
2020	3.1	551.0	0.3	54.0	2.2	384.0				
2021	2.5	440.0	0.2	42.0	0.6	108.0				
2022	2.2	396.0	0.2	38.0	0.5	81.0				
% Difference 2022–2021	-10.2%	-10.0%	-10.4%	-9.5%	-25.1%	-25.0%	N/A	N/A	N/A	N/A



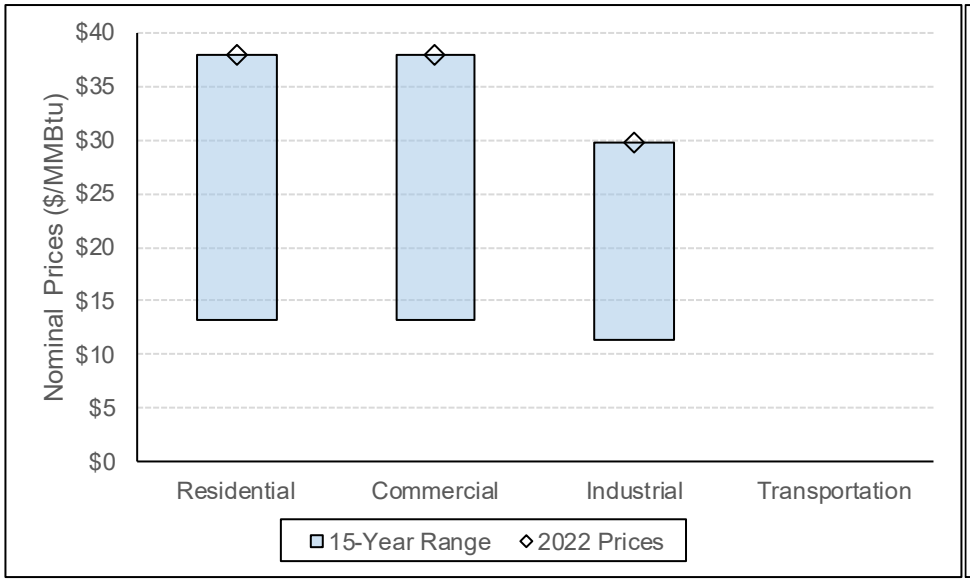
New York State Energy Profile—Kerosene

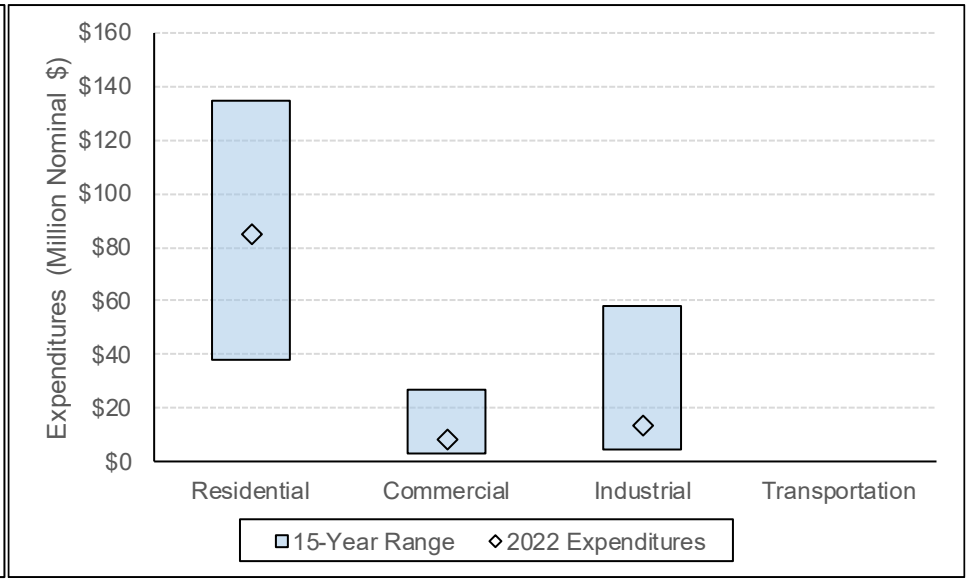
Kerosene 15-Year Prices Summary (Nominal $/MMBtu)

Year	Residential	Commercial	Industrial	Transportation
2008	$27.06	$27.06	$22.73	
2009	$20.83	$20.83	$15.14	
2010	$23.77	$23.77	$18.61	
2011	$28.13	$28.13	$24.56	
2012	$29.62	$29.62	$25.67	
2013	$29.68	$29.68	$26.03	
2014	$29.84	$29.84	$24.64	
2015	$16.65	$16.65	$14.41	
2016	$13.27	$13.27	$11.28	
2017	$16.60	$16.60	$14.29	
2018	$23.47	$23.47	$17.92	
2019	$22.39	$22.39	$16.96	
2020	$14.54	$14.54	$12.53	
2021	$22.93	$22.93	$16.61	
2022	$37.92	$37.92	$29.72	
% Difference 2022–2021	65.4%	65.4%	78.9%	N/A

Kerosene 15-Year Expenditures Summary (Million Nominal $)

Year	Residential	Commercial	Industrial	Transportation
2008	$101.34	$19.65	$5.23	
2009	$114.90	$20.00	$6.50	
2010	$134.61	$20.77	$57.84	
2011	$115.81	$26.81	$22.79	
2012	$61.37	$10.01	$21.00	
2013	$66.36	$4.72	$12.39	
2014	$113.63	$9.07	$21.39	
2015	$43.24	$2.63	$10.36	
2016	$45.32	$4.33	$11.29	
2017	$37.85	$2.91	$4.70	
2018	$50.04	$5.49	$12.58	
2019	$73.13	$9.45	$11.63	
2020	$45.45	$4.42	$27.29	
2021	$57.26	$5.53	$10.18	
2022	$85.05	$8.19	$13.64	
% Difference 2022–2021	48.6%	48.2%	34.0%	N/A





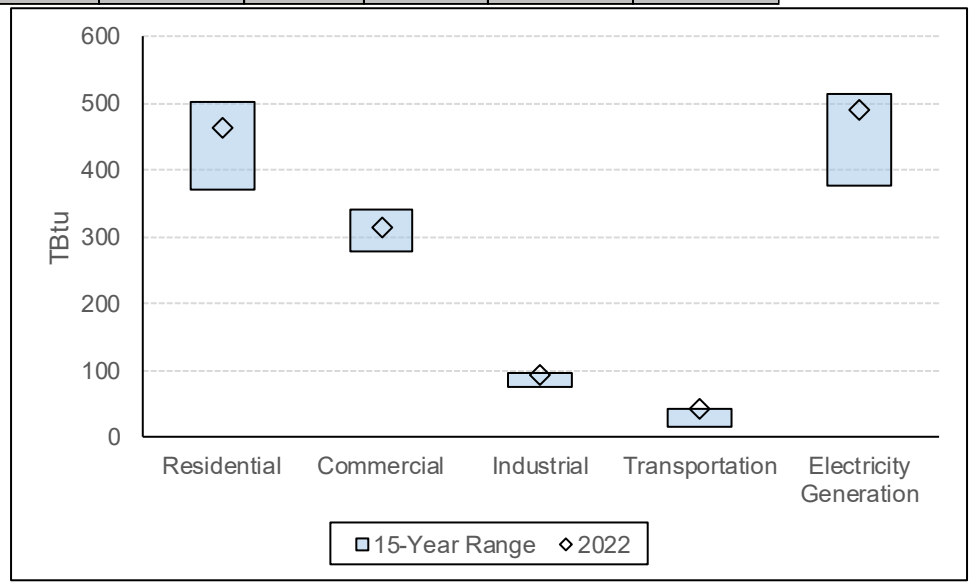
New York State Energy Profile—Natural Gas

Natural Gas 15-Year Consumption Summary by Sector - Including SGF (Excluding SGF)

Year	Residential		Commercial		Industrial		Transportation		Electricity Generation	
	TBtu	BCF	TBtu	BCF	TBtu	BCF	TBtu	BCF	TBtu	BCF
2008	402.7 (402.7)	394.2 (394.1)	296.4 (296.4)	290.2 (290.1)	82.4	80.7	16.3	16.0	407.3 (407.3)	399.4 (398.5)
2009	413.6 (413.6)	404.9 (404.7)	286.8 (286.8)	280.8 (280.7)	74.8	73.2	15.8	15.5	375.6 (375.6)	368.4 (367.5)
2010	399.7 (399.7)	390.5 (390.7)	294.1 (294.1)	287.4 (287.5)	77.8	76.0	19.2	18.7	433.7 (433.7)	425.5 (424)
2011	404.3 (404.3)	393.8 (393.7)	298.9 (298.9)	291.1 (291)	77.7	75.7	23.3	22.7	443.6 (443.6)	434 (431.9)
2012	369.2 (369.2)	357.7 (357.8)	278.9 (278.9)	270.2 (270.3)	77.0	74.6	22.2	21.5	513.6 (513.6)	499.1 (497.7)
2013	430.8 (430.8)	416.4 (416.2)	311.2 (311.2)	300.8 (300.7)	82.9	80.2	20.8	20.1	469.5 (469.5)	455.8 (453.6)
2014	473.6 (473.6)	458.3 (458.5)	330.9 (330.9)	320.2 (320.3)	87.4	84.6	34.5	33.3	466 (466)	452.8 (451.1)
2015	467 (467)	452.2 (452.1)	321.4 (321.4)	311.2 (311.1)	86.1	83.3	36.2	35.1	486 (486)	471.6 (470.5)
2016	425.6 (425.6)	412.5 (412.4)	312.2 (312.2)	302.6 (302.5)	83.6	81.1	28.6	27.7	486.5 (486.5)	472.4 (471.4)
2017	446.6 (446.6)	432.6 (432.4)	320.4 (320.4)	310.3 (310.2)	85.7	83.0	26.7	25.9	397.4 (397.4)	385.5 (384.7)
2018	501.6 (501.6)	485.7 (485.6)	341 (341)	330.2 (330.1)	94.6	91.6	28.3	27.4	428.1 (428.1)	415.5 (414.4)
2019	488.9 (488.9)	473.6 (473.7)	333.2 (333.2)	322.8 (322.9)	93.4	90.5	31.8	30.8	390.4 (390.4)	378.6 (378.3)
2020	451.8 (451.8)	437.1 (437)	298.6 (298.6)	288.9 (288.8)	89.5	86.6	28.5	27.6	436.8 (436.8)	423.4 (422.4)
2021	459.9 (459.9)	445.6 (445.6)	307.4 (307.4)	297.8 (297.8)	92.8	89.9	37.9	36.7	461.6 (461.6)	447.3 (447.3)
2022	464.2 (463.8)	449.8 (449.5)	313.6 (313.4)	303.9 (303.7)	91.6	88.7	43.4	42.1	490.5 (490.1)	475.5 (474.9)
% Difference 2022–2021	1.0%	0.9%	2.0%	2.0%	-1.3%	-1.3%	14.7%	14.7%	6.3%	6.3%

Notes:

1. SGF are low volumes of gas included within the natural gas system for a variety of reasons including burn efficiency and system functionality.
2. Natural gas with SGF excluded is presented for energy accounting since these SFG are already accounted for from other petroleum products.
3. Industrial and transportation sectors natural gas estimate are assumed to not include any SGF.
4. Visuals depicting TBtu of natural gas consumed, prices, and expenditures by sector includes the SFG as that is what is available at the end-use points.



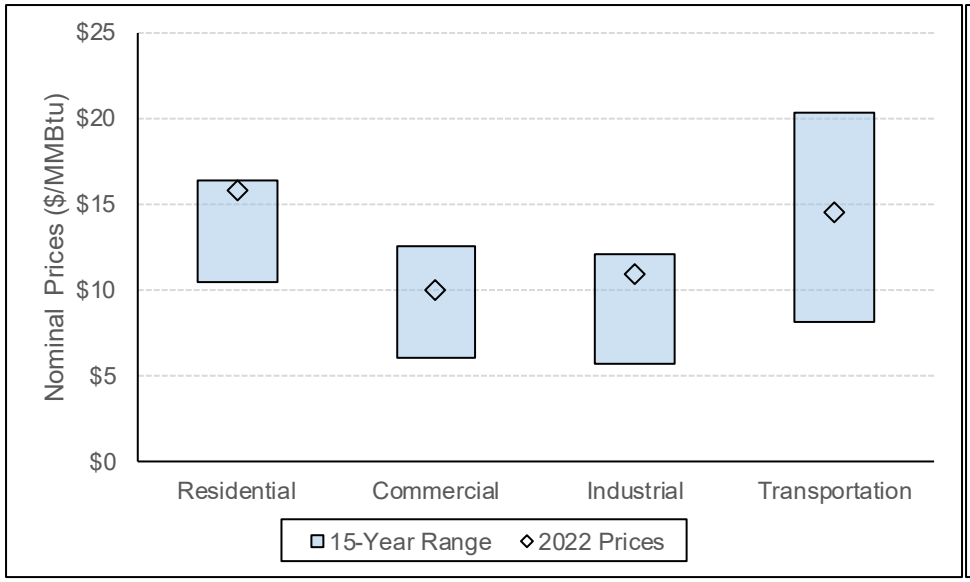
New York State Energy Profile—Natural Gas

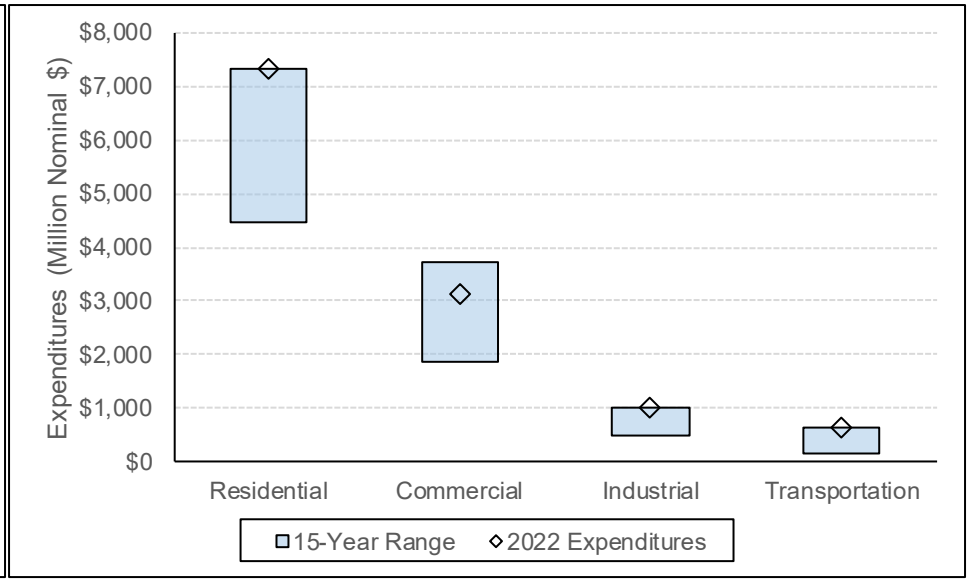
Natural Gas 15-Year Prices Summary (Nominal $/MMBtu)

Year	Residential	Commercial	Industrial	Transportation
2008	$16.42	$12.59	$12.04	$18.15
2009	$14.73	$10.49	$9.32	$11.62
2010	$13.72	$10.63	$8.35	$8.13
2011	$13.35	$9.08	$7.97	$9.56
2012	$12.56	$7.60	$6.70	$20.34
2013	$12.07	$7.73	$7.19	$19.90
2014	$12.13	$8.04	$7.87	$18.14
2015	$10.84	$6.64	$6.41	$16.06
2016	$10.51	$6.00	$5.74	$14.41
2017	$11.66	$6.65	$6.98	$11.74
2018	$11.98	$7.13	$7.58	$10.67
2019	$12.22	$6.98	$7.46	$10.07
2020	$12.38	$6.66	$6.77	$9.83
2021	$13.35	$7.66	$8.12	$11.96
2022	$15.83	$9.99	$10.95	$14.58
% Difference 2022–2021	18.6%	30.4%	34.9%	21.9%

Natural Gas 15-Year Expenditures Summary (Million Nominal $)

Year	Residential	Commercial	Industrial	Transportation
2008	$6,612.89	$3,732.12	$992.10	$296.19
2009	$6,092.76	$3,008.94	$696.71	$183.65
2010	$5,483.34	$3,126.68	$649.91	$155.69
2011	$5,397.73	$2,713.82	$619.09	$222.81
2012	$4,637.72	$2,120.00	$515.63	$450.65
2013	$5,199.86	$2,405.70	$596.29	$414.58
2014	$5,745.02	$2,660.13	$687.86	$625.16
2015	$5,062.20	$2,134.17	$551.70	$582.05
2016	$4,472.67	$1,873.07	$480.09	$412.41
2017	$5,207.74	$2,130.73	$598.40	$314.02
2018	$6,009.34	$2,431.59	$717.09	$302.41
2019	$5,974.37	$2,325.69	$696.96	$320.19
2020	$5,593.73	$1,988.95	$605.71	$280.57
2021	$6,139.22	$2,354.37	$753.30	$452.88
2022	$7,349.01	$3,133.35	$1,002.48	$633.25
% Difference 2022–2021	19.7%	33.1%	33.1%	39.8%

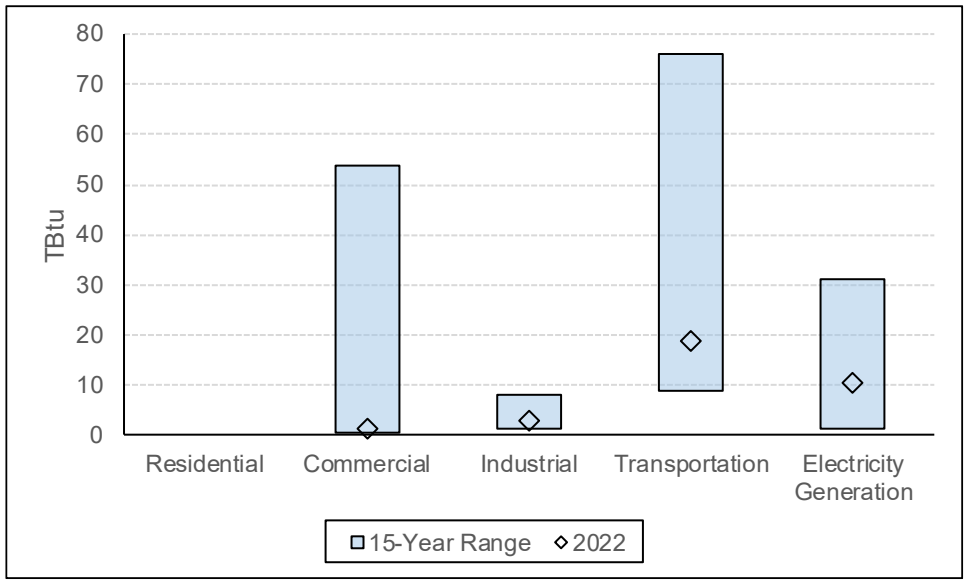




New York State Energy Profile—Residual Fuel Oil

Residual Fuel Oil 15-Year Consumption Summary by Sector

Year	Residential		Commercial		Industrial		Transportation		Electricity Generation	
	TBtu	Mbbl	TBtu	Mbbl	TBtu	Mbbl	TBtu	Mbbl	TBtu	Mbbl
2008			48.3	7,685.0	7.8	1,247.0	65.0	10,336.0	31.0	4,935.0
2009			53.9	8,571.0	3.0	485.0	73.8	11,743.0	20.5	3,261.0
2010			49.3	7,835.0	3.2	514.0	76.0	12,094.0	11.3	1,790.0
2011			44.6	7,089.0	7.8	1,244.0	32.4	5,158.0	6.4	1,026.0
2012			26.6	4,237.0	3.6	578.0	31.4	4,988.0	2.9	459.0
2013			19.7	3,139.0	4.5	711.0	39.6	6,300.0	5.5	882.0
2014			5.3	846.0	3.5	552.0	48.8	7,770.0	14.0	2,228.0
2015			2.0	312.0	2.7	431.0	30.8	4,897.0	12.2	1,942.0
2016			2.0	312.0	2.9	457.0	31.2	4,965.0	3.9	624.0
2017			1.8	285.0	3.4	539.0	23.5	3,736.0	4.0	642.0
2018			1.0	156.0	2.6	406.0	20.7	3,296.0	10.2	1,616.0
2019			0.7	117.0	2.3	360.0	9.0	1,431.0	2.3	361.0
2020			0.6	90.0	1.2	194.0	12.1	1,919.0	1.3	212.0
2021			1.2	188.0	2.8	444.0	18.2	2,893.0	5.3	845.0
2022			1.2	193.0	2.9	455.0	18.6	2,965.0	10.3	1,634.0
% Difference 2022–2021	N/A	N/A	2.4%	2.7%	2.5%	2.5%	2.5%	2.5%	93.3%	93.4%



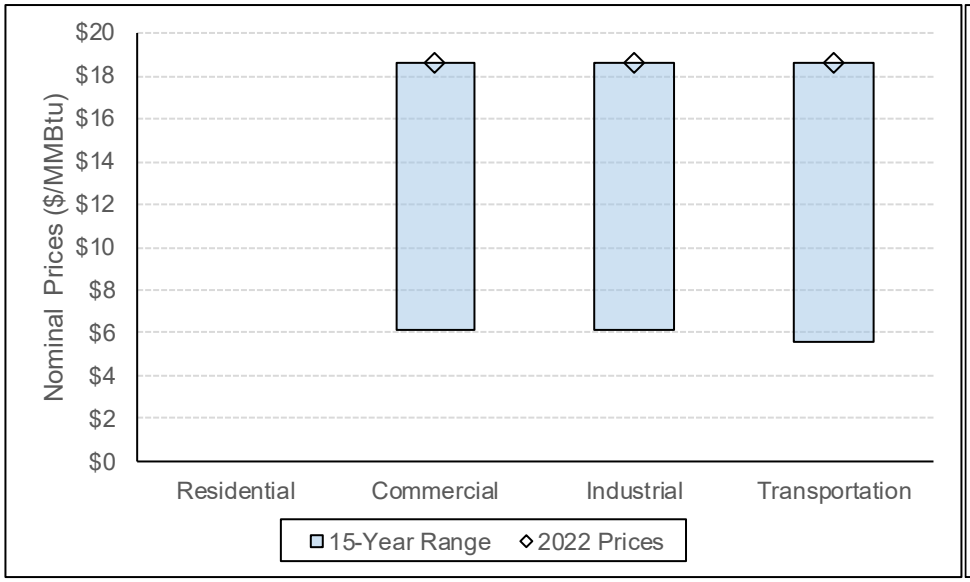
New York State Energy Profile—Residual Fuel Oil

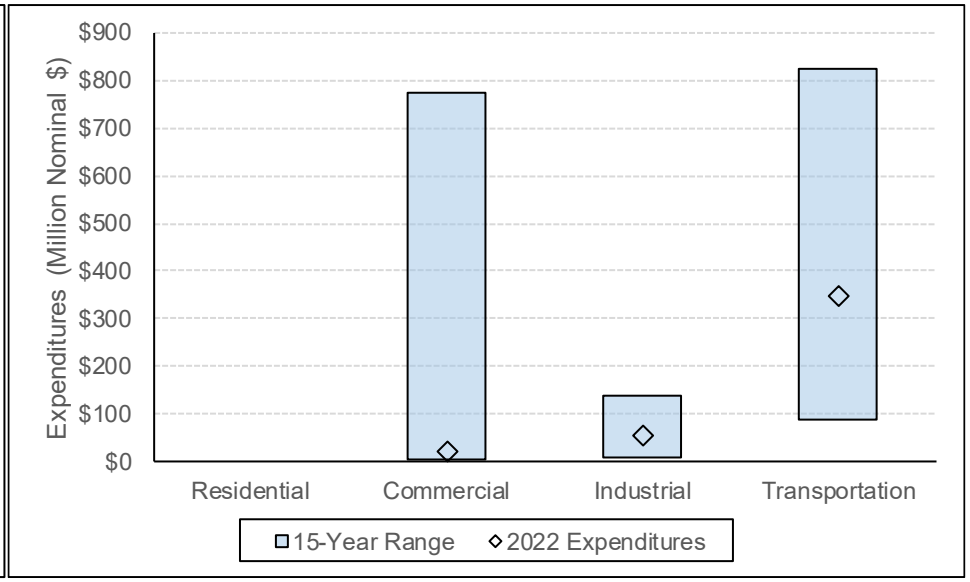
Residual Fuel Oil 15-Year Prices Summary (Nominal $/MMBtu)

Year	Residential	Commercial	Industrial	Transportation
2008		$13.27	$13.27	$12.08
2009		$9.94	$9.94	$8.24
2010		$12.90	$12.90	$10.86
2011		$17.41	$17.41	$14.81
2012		$18.36	$18.36	$15.40
2013		$16.84	$16.84	$15.52
2014		$14.75	$14.75	$13.19
2015		$7.83	$7.83	$7.46
2016		$6.10	$6.10	$5.60
2017		$7.80	$7.80	$7.55
2018		$10.26	$10.26	$9.99
2019		$9.78	$9.78	$10.00
2020		$7.72	$7.72	$7.29
2021		$11.49	$11.49	$10.97
2022		$18.59	$18.59	$18.65
% Difference 2022–2021	N/A	61.8%	61.8%	70.0%

Residual Fuel Oil 15-Year Expenditures Summary (Million Nominal $)

Year	Residential	Commercial	Industrial	Transportation
2008		$641.18	$104.06	$785.01
2009		$535.61	$30.30	$608.36
2010		$635.48	$41.72	$825.71
2011		$775.95	$136.16	$480.27
2012		$489.04	$66.74	$482.90
2013		$332.32	$75.31	$614.67
2014		$78.48	$51.17	$644.31
2015		$15.35	$21.21	$229.68
2016		$11.96	$17.51	$174.81
2017		$13.97	$26.43	$177.35
2018		$10.10	$26.16	$207.02
2019		$7.19	$22.14	$89.96
2020		$4.35	$9.43	$87.97
2021		$13.62	$32.09	$199.56
2022		$22.57	$53.20	$347.65
% Difference 2022–2021	N/A	65.8%	65.8%	74.2%

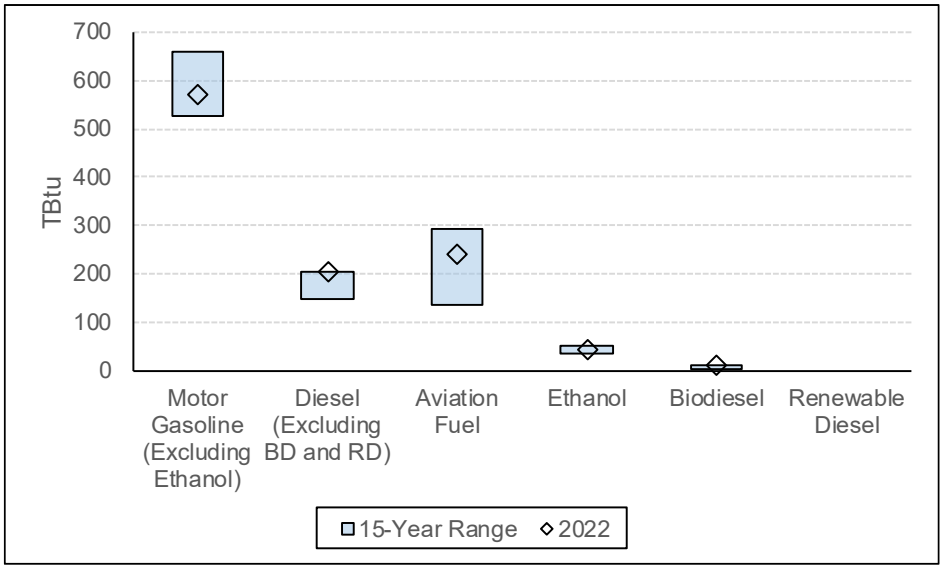




New York State Energy Profile—Transportation Fuels

Transportation Fuels 15-Year Consumption Summary

Year	Motor Gasoline (Excluding Ethanol)		Diesel (Excluding BD and RD)		Aviation Fuel		Ethanol		Biodiesel		Renewable Diesel	
	TBtu	Mbbl	TBtu	Mbbl	TBtu	Mbbl	TBtu	Mbbl	TBtu	Mbbl	TBtu	Mbbl
2008	660.4	126,139.0	158.9	27,071.0	222.7	39,293.4	34.6	9,966.0	2.2	414.0		
2009	650.2	123,898.0	157.5	27,231.0	200.5	35,363.7	41.6	12,023.0	2.4	439.0		
2010	652.9	124,599.0	161.2	27,890.0	230.5	40,652.0	46.8	13,488.0	1.9	355.0		
2011	617.6	117,960.0	158.2	27,325.0	231.8	40,879.0	44.2	12,758.0	6.5	1,209.0		
2012	603.6	115,262.0	152.6	26,370.0	233.3	41,158.0	43.8	12,640.0	6.5	1,221.0		
2013	600.7	114,702.0	146.0	25,263.0	247.8	43,706.0	44.3	12,759.0	6.1	1,132.0		
2014	621.9	118,814.0	155.3	26,872.0	254.2	44,839.0	45.6	13,129.0	6.3	1,180.0		
2015	612.2	117,035.0	162.3	28,072.0	267.2	47,133.0	44.7	12,874.0	6.7	1,259.0		
2016	634.8	121,366.0	173.2	29,982.0	282.9	49,896.0	46.6	13,433.0	7.7	1,438.0		
2017	641.4	122,624.0	174.2	30,164.0	293.4	51,747.0	47.9	13,790.0	8.0	1,495.0		
2018	647.4	123,753.0	185.1	32,013.0	284.7	50,221.0	48.8	14,005.0	9.2	1,709.0	0.1	26.0
2019	637.9	121,935.0	171.5	29,656.0	288.1	50,817.0	48.5	13,937.0	9.9	1,845.0		
2020	528.9	101,066.0	160.4	27,771.0	134.6	23,743.0	40.4	11,610.0	8.1	1,506.0		
2021	582.2	111,283.0	179.8	31,064.0	174.7	30,825.0	44.9	12,897.0	9.8	1,824.0		
2022	571.6	109,269.0	202.7	35,017.0	240.4	42,406.0	44.2	12,703.0	10.5	1,950.0		
% Difference 2022–2021	-1.8%	-1.8%	12.7%	12.7%	37.6%	37.6%	-1.4%	-1.5%	6.9%	6.9%	N/A	N/A



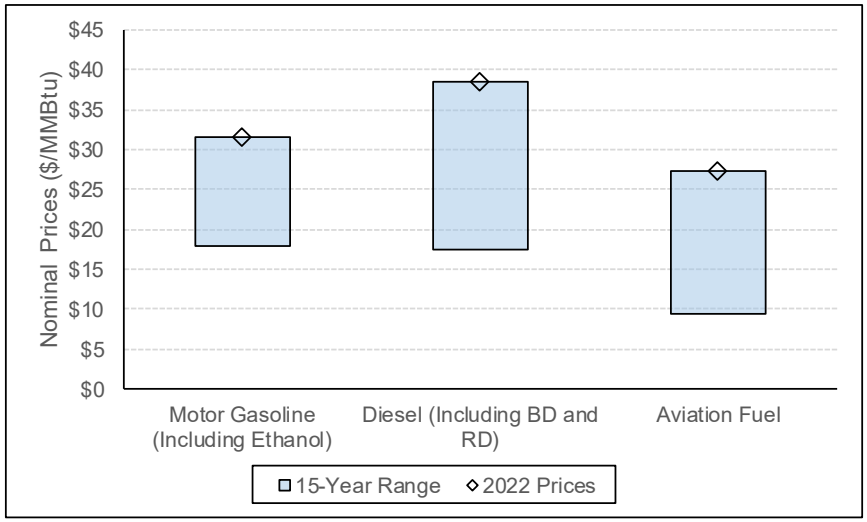
New York State Energy Profile—Transportation Fuels

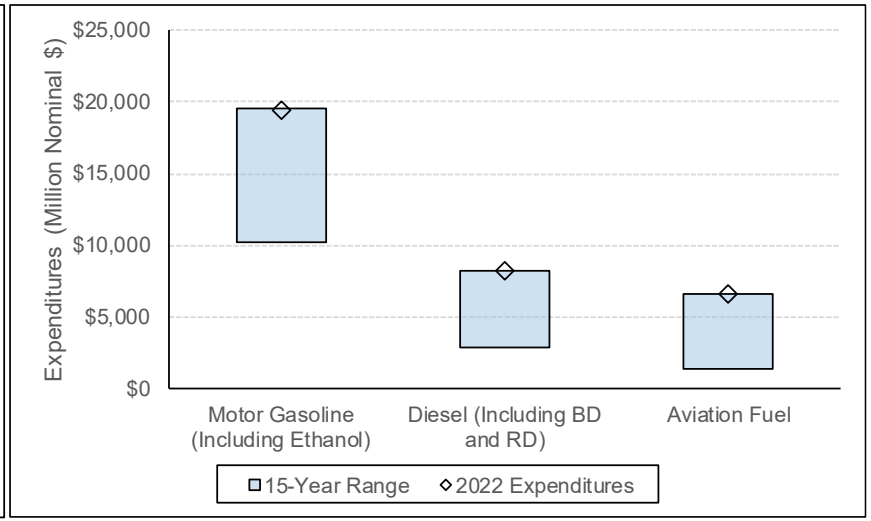
Transportation Fuels 15-Year Prices Summary (Nominal $/MMBtu)

Year	Motor Gasoline	Diesel	Aviation Fuel
2008	$26.79	$28.28	$23.13
2009	$19.41	$18.27	$12.64
2010	$22.98	$22.32	$16.43
2011	$29.16	$28.52	$22.77
2012	$30.20	$29.45	$23.16
2013	$29.43	$28.83	$22.15
2014	$28.37	$28.66	$20.61
2015	$20.47	$21.04	$11.99
2016	$18.13	$17.54	$9.49
2017	$20.12	$20.31	$12.21
2018	$22.23	$24.18	$16.00
2019	$20.97	$23.50	$14.77
2020	$17.86	$20.20	$10.04
2021	$23.87	$24.66	$14.70
2022	$31.56	$38.47	$27.35
% Difference 2022–2021	32.2%	56.0%	86.1%

Transportation Fuels 15-Year Expenditures Summary (Million Nominal $)

Year	Motor Gasoline	Diesel	Aviation Fuel
2008	$18,617.79	$4,492.65	$5,150.90
2009	$13,428.56	$2,920.42	$2,534.04
2010	$16,078.83	$3,640.73	$3,786.64
2011	$19,298.88	$4,695.59	$5,277.06
2012	$19,552.63	$4,686.03	$5,404.22
2013	$18,980.94	$4,385.45	$5,488.55
2014	$18,936.95	$4,633.32	$5,239.00
2015	$13,447.75	$3,555.82	$3,203.69
2016	$12,353.93	$3,172.71	$2,684.37
2017	$13,868.68	$3,701.66	$3,581.93
2018	$15,477.13	$4,699.55	$4,555.23
2019	$14,394.40	$4,263.25	$4,254.93
2020	$10,166.57	$3,404.02	$1,351.15
2021	$14,969.12	$4,674.67	$2,568.53
2022	$19,435.85	$8,198.50	$6,574.69
% Difference 2022–2021	29.8%	75.4%	156.0%

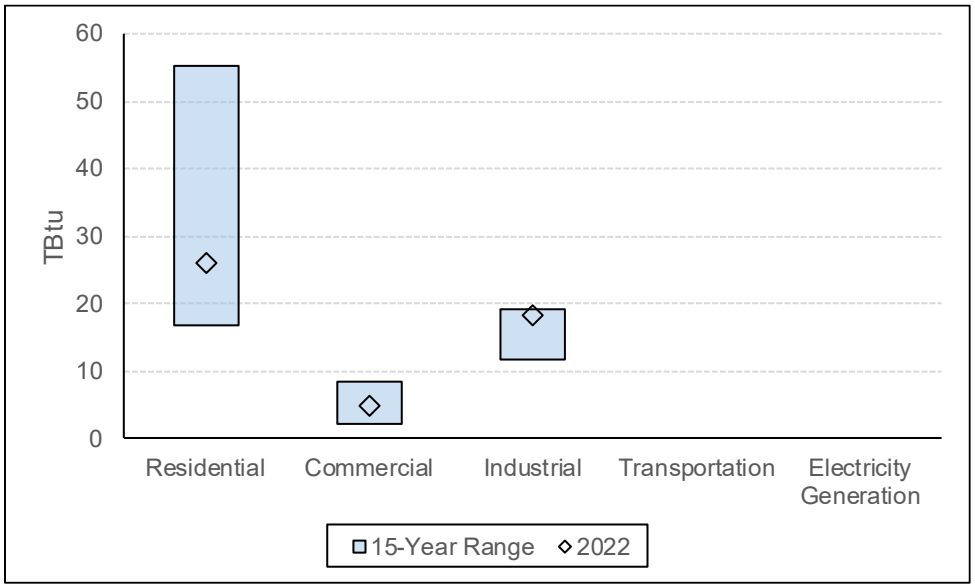




New York State Energy Profile—Wood

Wood 15-Year Consumption Summary by Sector

Year	Residential		Commercial		Industrial		Transportation		Electricity Generation	
	TBtu	Mcords	TBtu	Mcords	TBtu	Mcords	TBtu	Mcords	TBtu	Mcords
2008	55.2	2,762.4	8.4	420.2	12.3	613.5				
2009	19.3	967.2	2.7	136.6	11.6	578.5				
2010	20.7	1,037.3	2.7	134.9	16.4	818.4				
2011	20.1	1,006.1	2.6	129.9	18.5	924.7				
2012	16.8	840.7	2.3	113.7	19.1	953.5				
2013	21.9	1,097.0	2.6	131.8	18.8	939.1				
2014	22.2	1,110.2	2.7	137.4	18.6	929.6				
2015	36.8	1,842.4	5.4	269.8	18.5	925.7				
2016	29.5	1,474.0	5.2	261.1	18.7	936.2				
2017	28.5	1,425.0	5.2	261.2	18.5	925.3				
2018	34.7	1,734.6	5.2	260.3	18.3	916.8				
2019	35.4	1,769.5	5.1	255.5	18.6	932.2				
2020	22.0	1,099.6	5.0	250.9	18.0	898.3				
2021	23.4	1,169.2	5.4	267.6	18.1	903.6				
2022	26.1	1,305.9	4.9	243.4	18.3	913.8				
% Difference 2022–2021	11.7%	11.7%	-9.0%	-9.0%	1.1%	1.1%	N/A	N/A	N/A	N/A



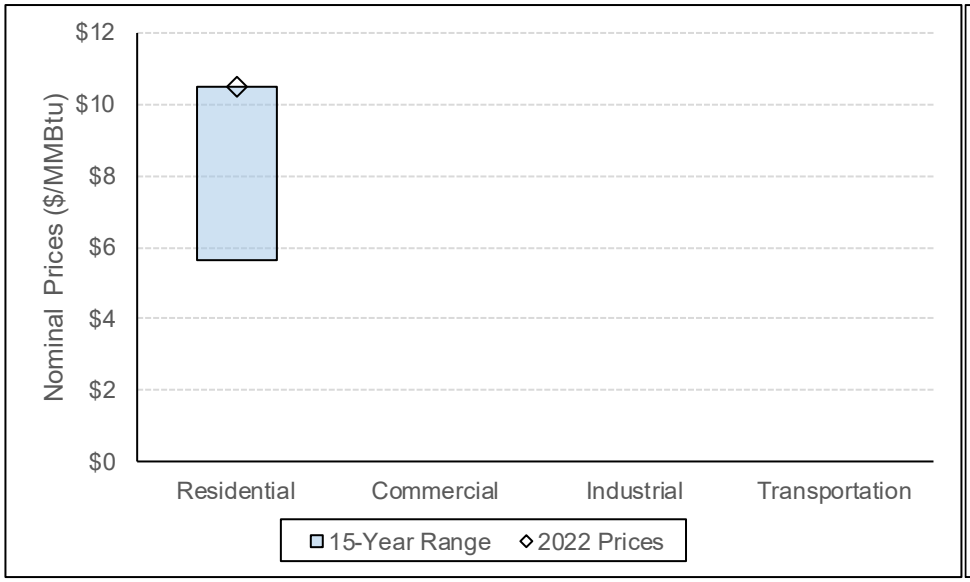
New York State Energy Profile—Wood

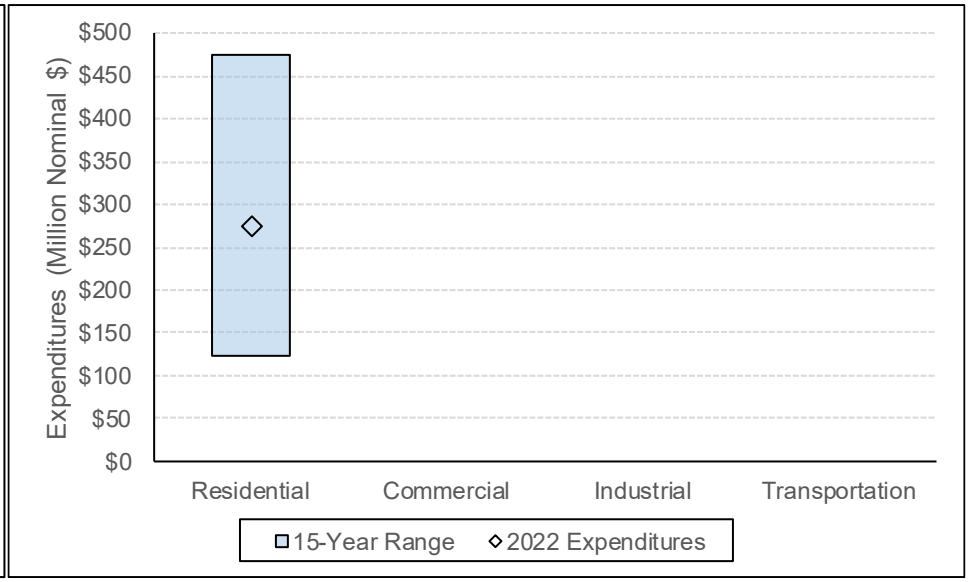
Wood 15-Year Prices Summary (Nominal $/MMBtu)

Year	Residential	Commercial	Industrial	Transportation
2008	$8.59			
2009	$6.45			
2010	$7.61			
2011	$9.15			
2012	$10.19			
2013	$9.98			
2014	$9.73			
2015	$6.71			
2016	$5.73			
2017	$6.41			
2018	$7.09			
2019	$6.82			
2020	$5.64			
2021	$6.77			
2022	$10.48			
% Difference 2022–2021	54.8%	N/A	N/A	N/A

Wood 15-Year Expenditures Summary (Million Nominal $)

Year	Residential	Commercial	Industrial	Transportation
2008	$474.57			
2009	$124.76			
2010	$157.88			
2011	$184.11			
2012	$171.33			
2013	$218.96			
2014	$216.04			
2015	$247.24			
2016	$168.92			
2017	$182.68			
2018	$245.97			
2019	$241.35			
2020	$124.03			
2021	$158.30			
2022	$273.71			
% Difference 2022–2021	72.9%	N/A	N/A	N/A





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