

Table PT2. Primary Energy Production Estimates in Trillion Btu, Michigan, 1960-2021

Year	Fossil Fuels			Nuclear Electric Power	Renewable Energy			Total
	Coal ^a	Natural Gas ^b	Crude Oil ^c		Biofuels ^d	Wood and Waste ^e	Other ^f	
Trillion Btu								
1960	0.0	23.1	92.2	0.0	NA	37.3	21.8	174.4
1965	0.0	38.3	85.4	2.1	NA	36.9	19.0	181.7
1966	0.0	37.8	82.8	4.0	NA	37.9	19.0	181.4
1967	0.0	37.2	79.3	5.8	NA	36.0	20.6	178.8
1968	0.0	44.9	75.2	4.8	NA	36.4	19.9	181.3
1969	0.0	40.1	70.8	4.4	NA	36.9	19.8	172.0
1970	0.0	43.1	67.8	4.1	NA	36.4	17.9	169.3
1971	0.0	29.4	69.0	4.2	NA	35.3	18.6	156.6
1972	0.0	38.0	75.3	22.9	NA	37.6	18.6	192.4
1973	0.0	47.6	84.8	32.5	NA	36.3	10.9	212.1
1974	0.0	72.7	104.5	4.6	NA	38.2	12.3	232.5
1975	0.0	107.9	141.6	79.0	NA	35.9	11.6	376.0
1976	0.0	130.9	176.4	109.4	NA	41.6	10.9	469.1
1977	0.0	149.0	191.2	110.2	NA	45.0	9.7	505.1
1978	0.0	171.0	201.1	143.4	NA	55.0	11.2	581.7
1979	0.0	186.7	202.2	164.7	NA	60.4	13.5	627.4
1980	0.0	189.3	196.1	173.3	NA	90.6	12.5	661.7
1981	0.0	180.7	189.5	188.2	0.0	95.3	13.0	666.6
1982	0.0	180.0	182.5	166.1	0.0	94.8	12.7	636.1
1983	0.0	163.5	184.1	178.7	0.0	104.8	12.9	644.0
1984	0.0	168.0	177.2	152.7	0.0	99.1	11.2	608.2
1985	0.0	152.6	158.3	142.9	0.0	100.2	10.4	564.5
1986	0.0	149.6	149.0	129.7	0.0	105.6	7.5	541.4
1987	0.0	168.5	150.6	150.3	0.0	107.1	5.0	581.4
1988	0.0	168.8	134.9	188.8	0.0	112.2	6.2	610.8
1989	0.0	178.5	125.1	225.5	0.0	103.3	8.6	641.0
1990	0.0	191.6	114.1	228.7	0.0	80.2	17.7	632.4
1991	0.0	214.8	101.6	283.3	0.0	86.2	19.1	705.1
1992	0.0	213.4	90.4	197.4	0.0	89.1	19.3	609.6
1993	0.0	221.7	80.0	299.6	0.0	81.4	19.1	701.9
1994	0.0	238.8	70.8	147.8	0.0	84.3	18.1	559.9
1995	0.0	253.7	66.0	256.9	0.0	88.2	17.6	682.3
1996	0.0	259.7	62.9	281.8	0.0	102.9	19.6	726.8
1997	0.0	320.9	58.3	230.0	0.0	95.0	18.7	722.9
1998	0.0	293.2	52.2	131.1	0.0	90.4	15.6	582.4
1999	0.0	292.1	45.4	152.5	0.0	91.6	16.3	597.9
2000	0.0	311.9	45.9	196.9	0.0	94.6	15.9	665.2
2001	0.0	288.4	42.8	278.9	0.0	76.6	17.6	704.2
2002	0.0	285.8	41.9	324.6	0.0	70.7	18.5	741.5
2003	0.0	249.0	37.5	291.3	6.2	81.1	16.0	681.1
2004	0.0	271.8	34.5	318.7	6.9	84.3	17.6	733.8
2005	0.0	270.3	33.3	343.0	6.6	93.1	17.1	763.4
2006	0.0	271.9	33.9	303.3	11.0	88.2	18.0	726.3
2007	0.0	274.6	33.2	330.6	26.7	90.3	16.0	771.4
2008	0.0	161.8	36.9	329.1	32.7	94.8	18.8	674.2
2009	0.0	160.1	36.3	228.5	30.0	80.5	21.1	556.6
2010	0.0	137.2	40.5	309.6	38.0	89.4	21.1	635.8
2011	0.0	143.5	40.8	344.2	37.8 R	101.1	23.3	690.6
2012	0.0	135.1	43.2	293.6	36.6 R	97.6	28.2	634.3
2013	0.0	129.8	45.2 R	302.2	38.2 R	104.3	46.2	665.9 R
2014	0.0	120.2	43.1 R	326.8	38.7 R	105.9	58.0	692.7
2015	0.0	114.1	37.5	306.8	39.0 R	119.5	64.7	681.6
2016	0.0	108.5	32.3	330.0	40.2 R	112.4	64.1	687.4
2017	0.0	102.6	31.8 R	338.7	47.8 R	108.0 R	70.1 R	699.0 R
2018	0.0	95.8	31.4 R	318.7	50.8 R	114.9	71.4 R	683.1 R
2019	0.0	90.4	29.7 R	343.6	48.0 R	111.2	74.5	697.4 R
2020	0.0	69.9	23.5 R	316.9 R	43.1 R	99.3 R	82.5	635.2 R
2021	0.0	77.7	24.7	358.7	45.3	99.7	91.1	697.1

^a Beginning in 2001, includes refuse recovery.

^b Marketed production, which includes natural gas plant liquids (NGLs).

^c Includes lease condensate.

^d Biomass inputs (feedstock such as corn and soy) to the production of ethanol and biodiesel. For 2011 forward includes production of renewable diesel fuel.

^e Wood energy production and biomass waste energy consumption.

^f Consumption of noncombustible renewable energy, including geothermal, hydroelectric power, solar, and wind energy.

NA = Not available.

Where shown, R = Revised.

Where shown, (s) = Less than 0.05 trillion Btu.

Note: Totals may not equal sum of components due to independent rounding.

Web Page: All data are available at <http://www.eia.gov/state/seds/seds-data-complete.php>.

Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes.

<http://www.eia.gov/state/seds/>