Table PT2. Primary energy production estimates in trillion Btu, Michigan, 1960-2022

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	6.9 R	159.5 R
1965	0.0	38.3	85.4	2.1	NA	36.9	6.2 R	169.0 R
1966	0.0	37.8	82.8	4.0	NA	37.9	6.2 R	168.7 R
1967	0.0	37.2	79.3	5.8	NA	36.0	6.7 R	165.0 R
1968	0.0	44.9	75.2	4.8	NA	36.4	6.5 R	167.9 R
1969	0.0	40.1	70.8	4.4	NA	36.9	6.5 R	158.7 R
1970	0.0	43.1	67.8	4.1	NA	36.4	5.8 R	157.3 R
1971	0.0	29.4	69.0	4.2	NA	35.3	6.1 R	144.0 R
1972	0.0	38.0	75.3	22.9	NA	37.6	6.1 R	180.0 R
1973	0.0	47.6	84.8	32.5	NA	36.3	3.6 R	204.7 R
1974	0.0	72.7	104.5	4.6	NA	38.2	4.0 R	224.2 R
1975	0.0	107.9	141.6	79.0	NA	35.9	3.8 R	368.2 R
1976	0.0	130.9	176.4	109.4	NA	41.6	3.6 R	461.8 R
1977	0.0	149.0	191.2	110.2	NA	45.0	3.2 R	498.5 R
1978	0.0	171.0	201.1	143.4	NA	55.0	3.7 R	574.2 R
1979	0.0	186.7	202.2	164.7	NA	60.4	4.5 R	618.4 R
1980	0.0	189.3	196.1	173.3	NA	90.6	4.1 R	653.4 R
1981	0.0	180.7	189.5	188.2	0.0	95.3	4.2 R	657.9 R
1982	0.0	180.0	182.5	166.1	0.0	94.8	4.1 R	627.5 R
1983	0.0	163.5	184.1	178.7	0.0	104.8	4.2 R	635.3 R
1984	0.0	168.0	177.2	152.7	0.0	99.1	3.7 R	600.6 R
1985	0.0	152.6	158.3	142.9	0.0	100.2	3.4 R	557.5 R
1986	0.0	149.6	149.0	129.7	0.0	105.6	2.5 R	536.3 R
1987	0.0	168.5	150.6	150.3	0.0	107.1	1.6 R	578.1 R
1988	0.0	168.8	134.9	188.8	0.0	112.2	2.0 R	606.6 R
1989	0.0	178.5	125.1	225.5	0.0	103.3	3.3 R	635.7 R
1990	0.0	191.6	114.1	228.7	0.0	80.2	6.4 R	621.0 R
1991	0.0	214.8	101.6	283.3	0.0	86.2	6.8 R	692.8 R
1992	0.0	213.4	90.4	197.4	0.0	89.1	7.0 R	597.2 R
1993	0.0	221.7	80.0	299.6	0.0	81.4	7.0 R	689.7 R
1994	0.0	238.8	70.8	147.8	0.0	84.3	6.7 R	548.5 R
1995	0.0	253.7	66.0	256.9	0.0	88.2	6.5 R	671.3 R
1996	0.0	259.7	62.9	281.8	0.0	102.9	7.2 R	714.5 R
1997	0.0	320.9	58.3	230.0	0.0	95.0	7.1 R	711.3 R
1998	0.0	293.2	52.2	131.1	0.0	90.4	6.1 R	572.9 R
1999	0.0	292.1	45.4	152.5	0.0	91.6	6.4 R	588.0 R
2000	0.0	311.9	45.9	196.9	0.0	94.6	6.3 R	655.5 R
2001	0.0	288.4	42.8	278.9	0.0	76.6	6.8 R	693.4 R
2002	0.0	285.8	41.9	324.6	0.0	70.7	7.3 R	730.2 R
2003	0.0	249.0	37.5	291.3	6.2	81.1	6.7 R	671.8 R
2004	0.0	271.8	34.5	318.7	6.9	84.3	7.4 R	723.6 R
2005	0.0	270.3	33.3	343.0	6.6	93.1	7.5 R	753.8 R
2006	0.0	271.9	33.9	303.3	11.0	88.2	8.1 R	716.3 R
2007	0.0	274.6	33.2	330.6	26.7	90.3	7.8 R	763.2 R
2008	0.0	161.8	36.9	329.1	32.7	94.8	9.1 R	664.5 R
2009	0.0	160.1	36.3	228.5	30.0	80.5	10.5 R	546.0 R
2010	0.0	137.2	40.5	309.6	38.0	89.4	10.8 R	625.6 R
2011	0.0	143.5	40.8	344.2	37.8	101.1	11.8 R	679.1 R
2012	0.0	135.1	43.2	293.6	36.6	97.6	13.7 R	619.8 R
2013	0.0	129.8	45.2	302.2	38.2	104.3	20.2 R	639.8 R
2014	0.0	120.2	43.1	326.8	38.7	105.9	24.5 R	659.1 R
2015	0.0	114.1	37.5	306.8	39.0	119.5	27.3 R	644.2 R
2016	0.0	108.5	32.3	330.0	40.2	112.4	27.3 R	650.6 R
2017	0.0	102.6	31.9 R	338.7	47.8	107.9	29.6 R	658.5 R
2018	0.0	95.8	31.5 R	318.7	50.8	114.9	30.3 R	642.0 R
2019	0.0	90.4	29.7	343.6	48.0	111.2	32.1 R	655.0 R
2020	0.0	81.5 R	23.8 R	316.9	43.1	92.8 R	35.6 R	593.7 R
2021	0.0	79.5 R	26.1 R	358.1 R	45.3	93.8 R	38.6 R	641.4 R
2022	0.0	74.7	26.0	271.3	46.7	98.0	45.4	562.1

[a] Beginning in 2001, includes refuse recovery.
[b] Marketed production, which includes natural gas plant liquids (NGPLs).
[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 trilllion 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/