



Fossil Fuel Use in Missouri at a Glance: Supporting Tables¹

Division of Energy

October 2014

Table 1. Total Primary Fossil Fuel Consumption in Missouri by Source, 1960 – 2012 (trillion Btu).

Year	Coal	Natural Gas	Petroleum
1960	170.9	270.1	403.7
1961	158.5	284.1	403.2
1962	180.5	299.6	420.6
1963	180.7	309.1	430.8
1964	183.4	332	437.2
1965	189.6	348	462.1
1966	190.7	357.4	476.6
1967	189	367.2	494.9
1968	212.3	372.9	544.1
1969	244.5	406.7	561.7
1970	279.2	432.5	571.7
1971	294.1	432.1	584.9
1972	334.4	428.2	612.2
1973	383.5	424.7	632.2
1974	382	411.9	610.9
1975	430.2	371.8	613.4
1976	468.3	381.4	644.5
1977	503.9	367.7	667.8
1978	485.7	360.3	694.9
1979	512.5	340.1	659.3
1980	531.4	322.8	561
1981	536	287.7	535.4
1982	523.8	282.3	544.3
1983	564.4	264.2	527
1984	593.3	269.1	537.3
1985	529.7	264	548.8
1986	512.3	244.3	561.9
1987	528	234.5	583.5
1988	547.3	254.4	607.5
1989	550.4	252.7	603.4
1990	539.6	241.3	586.8
1991	533.9	258.6	580.4
1992	522.3	241.2	600.8
1993	467.8	280.7	623.1
1994	540	267.8	653.8
1995	593.7	281.1	672
1996	631.1	296.4	702
1997	670.6	285.4	697.9
1998	695.7	261.5	745.7
1999	687.2	269.1	770.7
2000	688.9	288.1	675.6
2001	716.4	288.6	723.5
2002	725.7	278.9	724.9
2003	795.6	265.1	740.5
2004	807.5	268.3	748.2
2005	835.7	273.4	746.4
2006	829.1	257.9	742.1
2007	802.9	277.9	740.3
2008	792.9	298.4	690.4
2009	765.6	266.7	666.6
2010	801.6	282.1	669.3
2011	825.6	275.3	642.3
2012	768.4	258.9	627.8

¹ Sources for the data in these tables are provided at the end of this document.

Table 2. Share of Primary Fossil Fuel Consumption in Missouri by Source, 1960 – 2012.

Year	Coal	Natural Gas	Petroleum
1960	20.2%	32.0%	47.8%
1961	18.7%	33.6%	47.7%
1962	20.0%	33.3%	46.7%
1963	19.6%	33.6%	46.8%
1964	19.3%	34.9%	45.9%
1965	19.0%	34.8%	46.2%
1966	18.6%	34.9%	46.5%
1967	18.0%	34.9%	47.1%
1968	18.8%	33.0%	48.2%
1969	20.2%	33.5%	46.3%
1970	21.8%	33.7%	44.5%
1971	22.4%	33.0%	44.6%
1972	24.3%	31.1%	44.5%
1973	26.6%	29.5%	43.9%
1974	27.2%	29.3%	43.5%
1975	30.4%	26.3%	43.3%
1976	31.3%	25.5%	43.1%
1977	32.7%	23.9%	43.4%
1978	31.5%	23.4%	45.1%
1979	33.9%	22.5%	43.6%
1980	37.5%	22.8%	39.6%
1981	39.4%	21.2%	39.4%
1982	38.8%	20.9%	40.3%
1983	41.6%	19.5%	38.9%
1984	42.4%	19.2%	38.4%
1985	39.5%	19.7%	40.9%
1986	38.9%	18.5%	42.6%
1987	39.2%	17.4%	43.4%
1988	38.8%	18.1%	43.1%
1989	39.1%	18.0%	42.9%
1990	39.5%	17.6%	42.9%
1991	38.9%	18.8%	42.3%
1992	38.3%	17.7%	44.0%
1993	34.1%	20.5%	45.4%
1994	36.9%	18.3%	44.7%
1995	38.4%	18.2%	43.4%
1996	38.7%	18.2%	43.1%
1997	40.5%	17.3%	42.2%
1998	40.9%	15.4%	43.8%
1999	39.8%	15.6%	44.6%
2000	41.7%	17.4%	40.9%
2001	41.4%	16.7%	41.9%
2002	42.0%	16.1%	41.9%
2003	44.2%	14.7%	41.1%
2004	44.3%	14.7%	41.0%
2005	45.0%	14.7%	40.2%
2006	45.3%	14.1%	40.6%
2007	44.1%	15.3%	40.7%
2008	44.5%	16.7%	38.7%
2009	45.1%	15.7%	39.2%
2010	45.7%	16.1%	38.2%
2011	47.4%	15.8%	36.8%
2012	46.4%	15.6%	37.9%

Table 3. Percent Change in Yearly Primary Fossil Fuel Consumption in Missouri by Source, 1960 – 2012.

Year	Coal	Natural Gas	Petroleum
1960			
1961	-7.3%	5.2%	-0.1%
1962	13.9%	5.5%	4.3%
1963	0.1%	3.2%	2.4%
1964	1.5%	7.4%	1.5%
1965	3.4%	4.8%	5.7%
1966	0.6%	2.7%	3.1%
1967	-0.9%	2.7%	3.8%
1968	12.3%	1.6%	9.9%
1969	15.2%	9.1%	3.2%
1970	14.2%	6.3%	1.8%
1971	5.3%	-0.1%	2.3%
1972	13.7%	-0.9%	4.7%
1973	14.7%	-0.8%	3.3%
1974	-0.4%	-3.0%	-3.4%
1975	12.6%	-9.7%	0.4%
1976	8.9%	2.6%	5.1%
1977	7.6%	-3.6%	3.6%
1978	-3.6%	-2.0%	4.1%
1979	5.5%	-5.6%	-5.1%
1980	3.7%	-5.1%	-14.9%
1981	0.9%	-10.9%	-4.6%
1982	-2.3%	-1.9%	1.7%
1983	7.8%	-6.4%	-3.2%
1984	5.1%	1.9%	2.0%
1985	-10.7%	-1.9%	2.1%
1986	-3.3%	-7.5%	2.4%
1987	3.1%	-4.0%	3.8%
1988	3.7%	8.5%	4.1%
1989	0.6%	-0.7%	-0.7%
1990	-2.0%	-4.5%	-2.8%
1991	-1.1%	7.2%	-1.1%
1992	-2.2%	-6.7%	3.5%
1993	-10.4%	16.4%	3.7%
1994	15.4%	-4.6%	4.9%
1995	9.9%	5.0%	2.8%
1996	6.3%	5.4%	4.5%
1997	6.3%	-3.7%	-0.6%
1998	3.7%	-8.4%	6.8%
1999	-1.2%	2.9%	3.4%
2000	0.2%	7.1%	-12.3%
2001	4.0%	0.2%	7.1%
2002	1.3%	-3.4%	0.2%
2003	9.6%	-4.9%	2.2%
2004	1.5%	1.2%	1.0%
2005	3.5%	1.9%	-0.2%
2006	-0.8%	-5.7%	-0.6%
2007	-3.2%	7.8%	-0.2%
2008	-1.2%	7.4%	-6.7%
2009	-3.4%	-10.6%	-3.4%
2010	4.7%	5.8%	0.4%
2011	3.0%	-2.4%	-4.0%
2012	-6.9%	-6.0%	-2.3%

Table 4. Percent Change in Primary Fossil Fuel Consumption in Missouri by Source from 1960, 1960 – 2012.

Year	Coal	Natural Gas	Petroleum
1960			
1961	-7.3%	5.2%	-0.1%
1962	5.6%	10.9%	4.2%
1963	5.7%	14.4%	6.7%
1964	7.3%	22.9%	8.3%
1965	10.9%	28.8%	14.5%
1966	11.6%	32.3%	18.1%
1967	10.6%	35.9%	22.6%
1968	24.2%	38.1%	34.8%
1969	43.1%	50.6%	39.1%
1970	63.4%	60.1%	41.6%
1971	72.1%	60.0%	44.9%
1972	95.7%	58.5%	51.6%
1973	124.4%	57.2%	56.6%
1974	123.5%	52.5%	51.3%
1975	151.7%	37.7%	51.9%
1976	174.0%	41.2%	59.6%
1977	194.9%	36.1%	65.4%
1978	184.2%	33.4%	72.1%
1979	199.9%	25.9%	63.3%
1980	210.9%	19.5%	39.0%
1981	213.6%	6.5%	32.6%
1982	206.5%	4.5%	34.8%
1983	230.3%	-2.2%	30.5%
1984	247.2%	-0.4%	33.1%
1985	209.9%	-2.3%	35.9%
1986	199.8%	-9.6%	39.2%
1987	209.0%	-13.2%	44.5%
1988	220.2%	-5.8%	50.5%
1989	222.1%	-6.4%	49.5%
1990	215.7%	-10.7%	45.4%
1991	212.4%	-4.3%	43.8%
1992	205.6%	-10.7%	48.8%
1993	173.7%	3.9%	54.3%
1994	216.0%	-0.9%	62.0%
1995	247.4%	4.1%	66.5%
1996	269.3%	9.7%	73.9%
1997	292.4%	5.7%	72.9%
1998	307.1%	-3.2%	84.7%
1999	302.1%	-0.4%	90.9%
2000	303.1%	6.7%	67.4%
2001	319.2%	6.8%	79.2%
2002	324.6%	3.3%	79.6%
2003	365.5%	-1.9%	83.4%
2004	372.5%	-0.7%	85.3%
2005	389.0%	1.2%	84.9%
2006	385.1%	-4.5%	83.8%
2007	369.8%	2.9%	83.4%
2008	364.0%	10.5%	71.0%
2009	348.0%	-1.3%	65.1%
2010	369.0%	4.4%	65.8%
2011	383.1%	1.9%	59.1%
2012	349.6%	-4.1%	55.5%

Table 5. Total Primary Fossil Fuel Expenditures² in Missouri by Source, 1970 – 2012 (million dollars).

Year	Coal	Natural Gas	Petroleum
1970	\$80.4	\$265.4	\$1,116.0
1971	\$89.7	\$280.3	\$1,217.7
1972	\$110.2	\$313.5	\$1,267.0
1973	\$140.1	\$320.7	\$1,478.5
1974	\$183.5	\$358.1	\$2,041.4
1975	\$266.7	\$423.0	\$2,197.4
1976	\$328.0	\$513.9	\$2,439.9
1977	\$410.5	\$665.7	\$2,707.1
1978	\$510.2	\$691.0	\$2,824.2
1979	\$566.2	\$835.9	\$3,705.2
1980	\$647.3	\$928.2	\$4,461.8
1981	\$737.1	\$1,014.9	\$4,845.8
1982	\$760.6	\$1,342.0	\$4,816.5
1983	\$846.7	\$1,454.6	\$4,291.1
1984	\$892.3	\$1,414.0	\$4,300.6
1985	\$800.8	\$1,284.0	\$4,356.1
1986	\$750.1	\$1,089.0	\$3,309.5
1987	\$741.4	\$994.0	\$3,711.3
1988	\$751.9	\$1,090.0	\$3,793.4
1989	\$740.8	\$1,124.1	\$4,140.7
1990	\$726.4	\$1,107.5	\$4,694.5
1991	\$716.7	\$1,157.1	\$4,419.9
1992	\$698.1	\$1,099.0	\$4,428.0
1993	\$583.6	\$1,322.5	\$4,497.7
1994	\$603.9	\$1,289.8	\$4,704.2
1995	\$597.0	\$1,193.4	\$4,921.7
1996	\$614.7	\$1,531.8	\$5,838.4
1997	\$640.7	\$1,612.1	\$5,790.0
1998	\$650.9	\$1,404.0	\$5,167.3
1999	\$648.2	\$1,393.7	\$5,817.3
2000	\$643.7	\$1,872.2	\$7,093.7
2001	\$700.0	\$2,531.3	\$6,987.4
2002	\$664.9	\$1,870.0	\$6,641.7
2003	\$743.9	\$2,223.9	\$7,821.2
2004	\$766.1	\$2,551.3	\$9,289.2
2005	\$866.6	\$3,053.7	\$11,850.3
2006	\$943.0	\$3,095.5	\$13,274.5
2007	\$1,087.2	\$3,100.9	\$14,717.6
2008	\$1,224.0	\$3,395.6	\$16,870.5
2009	\$1,191.8	\$2,753.4	\$11,525.9
2010	\$1,290.4	\$2,664.3	\$13,860.5
2011	\$1,436.3	\$2,584.6	\$17,238.0
2012	\$1,448.9	\$2,215.5	\$16,923.1

² Expenditure data are not adjusted for inflation.

Table 6. Percent Change in Yearly Primary Fossil Fuel Expenditures in Missouri by Source, 1970 – 2012.

Year	Coal	Natural Gas	Petroleum
1970			
1971	11.6%	5.6%	9.1%
1972	22.9%	11.8%	4.0%
1973	27.1%	2.3%	16.7%
1974	31.0%	11.7%	38.1%
1975	45.3%	18.1%	7.6%
1976	23.0%	21.5%	11.0%
1977	25.2%	29.5%	11.0%
1978	24.3%	3.8%	4.3%
1979	11.0%	21.0%	31.2%
1980	14.3%	11.0%	20.4%
1981	13.9%	9.3%	8.6%
1982	3.2%	32.2%	-0.6%
1983	11.3%	8.4%	-10.9%
1984	5.4%	-2.8%	0.2%
1985	-10.3%	-9.2%	1.3%
1986	-6.3%	-15.2%	-24.0%
1987	-1.2%	-8.7%	12.1%
1988	1.4%	9.7%	2.2%
1989	-1.5%	3.1%	9.2%
1990	-1.9%	-1.5%	13.4%
1991	-1.3%	4.5%	-5.8%
1992	-2.6%	-5.0%	0.2%
1993	-16.4%	20.3%	1.6%
1994	3.5%	-2.5%	4.6%
1995	-1.1%	-7.5%	4.6%
1996	3.0%	28.4%	18.6%
1997	4.2%	5.2%	-0.8%
1998	1.6%	-12.9%	-10.8%
1999	-0.4%	-0.7%	12.6%
2000	-0.7%	34.3%	21.9%
2001	8.7%	35.2%	-1.5%
2002	-5.0%	-26.1%	-4.9%
2003	11.9%	18.9%	17.8%
2004	3.0%	14.7%	18.8%
2005	13.1%	19.7%	27.6%
2006	8.8%	1.4%	12.0%
2007	15.3%	0.2%	10.9%
2008	12.6%	9.5%	14.6%
2009	-2.6%	-18.9%	-31.7%
2010	8.3%	-3.2%	20.3%
2011	11.3%	-3.0%	24.4%
2012	0.9%	-14.3%	-1.8%

Table 7. Percent Change in Primary Fossil Fuel Expenditures in Missouri by Source from 1970, 1970 – 2012.

Year	Coal	Natural Gas	Petroleum
1970			
1971	11.6%	5.6%	9.1%
1972	37.1%	18.1%	13.5%
1973	74.3%	20.8%	32.5%
1974	128.2%	34.9%	82.9%
1975	231.7%	59.4%	96.9%
1976	308.0%	93.6%	118.6%
1977	410.6%	150.8%	142.6%
1978	534.6%	160.4%	153.1%
1979	604.2%	215.0%	232.0%
1980	705.1%	249.7%	299.8%
1981	816.8%	282.4%	334.2%
1982	846.0%	405.7%	331.6%
1983	953.1%	448.1%	284.5%
1984	1009.8%	432.8%	285.4%
1985	896.0%	383.8%	290.3%
1986	833.0%	310.3%	196.6%
1987	822.1%	274.5%	232.6%
1988	835.2%	310.7%	239.9%
1989	821.4%	323.5%	271.0%
1990	803.5%	317.3%	320.7%
1991	791.4%	336.0%	296.0%
1992	768.3%	314.1%	296.8%
1993	625.9%	398.3%	303.0%
1994	651.1%	386.0%	321.5%
1995	642.5%	349.7%	341.0%
1996	664.6%	477.2%	423.2%
1997	696.9%	507.4%	418.8%
1998	709.6%	429.0%	363.0%
1999	706.2%	425.1%	421.3%
2000	700.6%	605.4%	535.6%
2001	770.6%	853.8%	526.1%
2002	727.0%	604.6%	495.1%
2003	825.2%	737.9%	600.8%
2004	852.9%	861.3%	732.4%
2005	977.9%	1050.6%	961.9%
2006	1072.9%	1066.4%	1089.5%
2007	1252.2%	1068.4%	1218.8%
2008	1422.4%	1179.4%	1411.7%
2009	1382.3%	937.5%	932.8%
2010	1505.0%	903.9%	1142.0%
2011	1686.4%	873.9%	1444.6%
2012	1702.1%	734.8%	1416.4%

Table 8. Total Fossil Fuel Consumption in Missouri by Sector, 2012 (trillion Btu).

Sector	Total	Percentage
Residential	97.0	11.1%
Commercial	64.7	7.4%
Industrial	163.6	18.7%
Transportation	551.5	62.9%

Sources:

All data comes from the Energy Information Administration’s State Energy Data System:

EIA Table	Link
Table CT2. Primary Energy Consumption Estimates, 1960-2012,	http://www.eia.gov/state/seds/data.cfm?incfile=/state/seds/
Table ET1. Primary Energy, Electricity, and Total Energy Price and Expenditure Estimates, 1970-2012, Missouri	http://www.eia.gov/state/seds/data.cfm?incfile=/state/seds/sep_prices/total/pr_tot_MO.html&sid=MO
Table CT4. Residential Sector Energy Consumption Estimates, 1960-2012, Missouri	http://www.eia.gov/state/seds/data.cfm?incfile=/state/seds/sep_use/res/use_res_MO.html&sid=MO
Table CT5. Commercial Sector Energy Consumption Estimates, 1960-2012, Missouri	http://www.eia.gov/state/seds/data.cfm?incfile=/state/seds/sep_use/com/use_com_MO.html&sid=MO
Table CT6. Industrial Sector Energy Consumption Estimates, 1960-2012, Missouri	http://www.eia.gov/state/seds/data.cfm?incfile=/state/seds/sep_use/ind/use_ind_MO.html&sid=MO
Table CT7. Transportation Sector Energy Consumption Estimates, 1960-2012, Missouri	http://www.eia.gov/state/seds/data.cfm?incfile=/state/seds/sep_use/tra/use_tra_MO.html&sid=MO