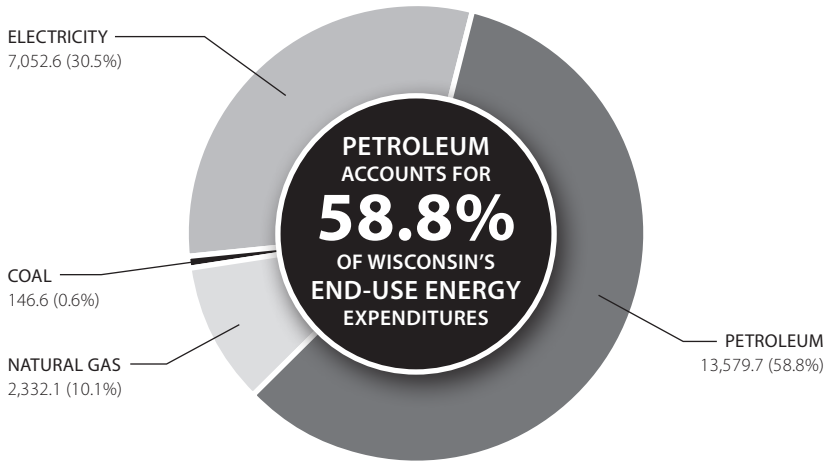
CHAPTER 7

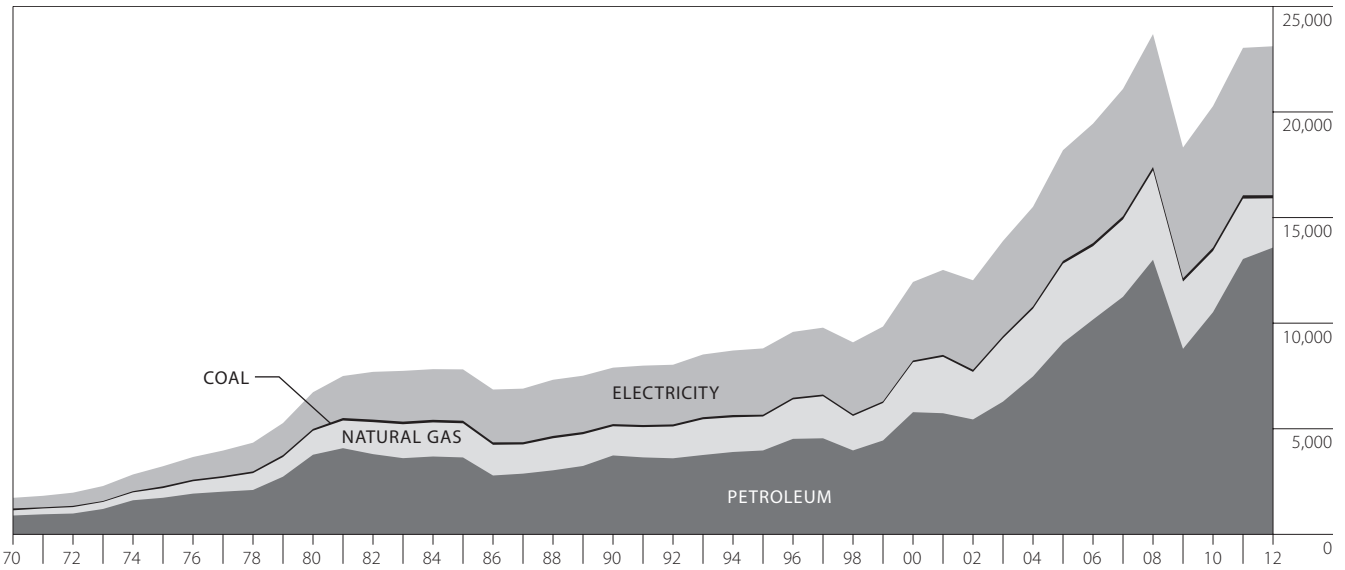
Wisconsin Expenditures for Energy

Wisconsin End-Use Energy Expenditures, by Type of Fuel

2012 MILLIONS OF DOLLARS AND PERCENT OF TOTAL



1970-2012 MILLIONS OF DOLLARS



Source: Wisconsin State Energy Office.

Wisconsin End-Use Energy Expenditures, by Type of Fuel

The tables in this chapter show annual expenditures for the major energy resources used by Wisconsin's residential, commercial, industrial, agricultural and transportation sectors since 1970. Because consistent and reliable historic prices of wood, waste fuels and biogas are not available, expenditures for these fuels are excluded from the tables.

1970-2012 MILLIONS OF DOLLARS AND PERCENT OF TOTAL

Year	Petroleum		Natural Gas		Coal		Electricity		Total
1970r	893.1	*51.6%*	244.6	*14.1%*	90.1	*5.2%*	502.6	*29.0%*	1,730.3
1975r	1,732.9	*53.7%*	457.1	*14.2%*	86.2	*2.7%*	949.9	*29.4%*	3,226.1
1980r	3,770.7	*56.0%*	1,133.8	*16.8%*	89.0	*1.3%*	1,736.8	*25.8%*	6,730.2
1985r	3,642.1	*46.6%*	1,616.8	*20.7%*	121.6	*1.6%*	2,431.2	*31.1%*	7,811.8
1990r	3,736.2	*47.3%*	1,381.9	*17.5%*	102.9	*1.3%*	2,672.0	*33.9%*	7,893.0
1995r	3,972.6	*45.1%*	1,607.3	*18.3%*	85.6	*1.0%*	3,138.8	*35.7%*	8,804.4
1996r	4,522.5	*47.2%*	1,867.5	*19.5%*	81.3	*0.8%*	3,116.1	*32.5%*	9,587.4
1997r	4,549.0	*46.5%*	1,992.1	*20.4%*	80.3	*0.8%*	3,165.3	*32.3%*	9,786.8
1998r	3,974.2	*43.7%*	1,632.4	*18.0%*	78.3	*0.9%*	3,407.0	*37.5%*	9,091.9
1999r	4,445.4	*45.2%*	1,776.4	*18.1%*	74.3	*0.8%*	3,543.5	*36.0%*	9,839.5
2000r	5,785.5	*48.4%*	2,366.3	*19.8%*	80.1	*0.7%*	3,719.6	*31.1%*	11,951.4
2001r	5,735.5	*45.8%*	2,671.9	*21.3%*	90.9	*0.7%*	4,022.0	*32.1%*	12,520.4
2002r	5,441.5	*45.2%*	2,250.7	*18.7%*	101.5	*0.8%*	4,237.6	*35.2%*	12,031.2
2003r	6,285.6	*45.2%*	3,003.6	*21.6%*	98.8	*0.7%*	4,505.1	*32.4%*	13,893.1
2004r	7,479.0	*48.2%*	3,206.3	*20.7%*	109.2	*0.7%*	4,714.5	*30.4%*	15,508.9
2005r	9,067.0	*49.9%*	3,751.3	*20.6%*	128.3	*0.7%*	5,244.8	*28.9%*	18,191.5
2006r	10,170.9	*52.3%*	3,475.1	*17.8%*	146.2	*0.8%*	5,653.8	*29.1%*	19,446.0
2007r	11,248.2	*53.4%*	3,665.6	*17.3%*	151.7	*0.7%*	6,027.1	*28.6%*	21,092.6
2008r	13,001.5	*55.0%*	4,237.6	*17.7%*	155.8	*0.7%*	6,292.6	*26.6%*	23,687.5
2009r	8,783.8	*48.0%*	3,187.9	*17.3%*	151.7	*0.8%*	6,193.9	*33.9%*	18,317.3
2010r	10,521.3	*51.9%*	2,899.0	*14.2%*	158.3	*0.8%*	6,698.6	*33.1%*	20,277.3
2011r	13,038.4	*56.6%*	2,857.9	*12.3%*	158.8	*0.7%*	6,981.2	*30.3%*	23,036.4
2012p	**13,579.7**	***58.8%***	**2,332.1**	***10.0%***	**146.6**	***0.6%***	**7,052.6**	***30.5%***	**23,111.0**

p Preliminary estimates.

r Revised due to revisions in price and consumption data.

Source: Compiled from tables in this publication for Wisconsin petroleum, natural gas, coal and electricity use and prices, by economic sector.

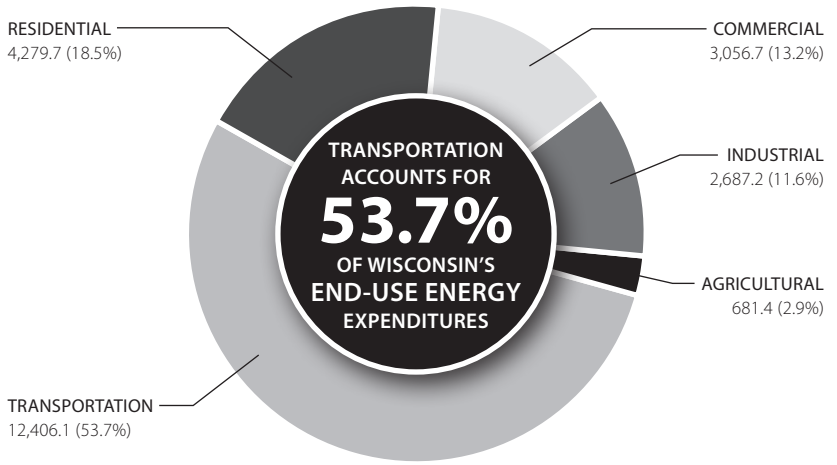
WISCONSIN'S
OVERALL
ENERGY BILL
0.3%

In 2012, Wisconsin's overall energy bill increased 0.3 percent—from $23.0 billion in 2011 to $23.1 billion. This increase of $74.7 million means 2012 expenditures were the highest since 2008.

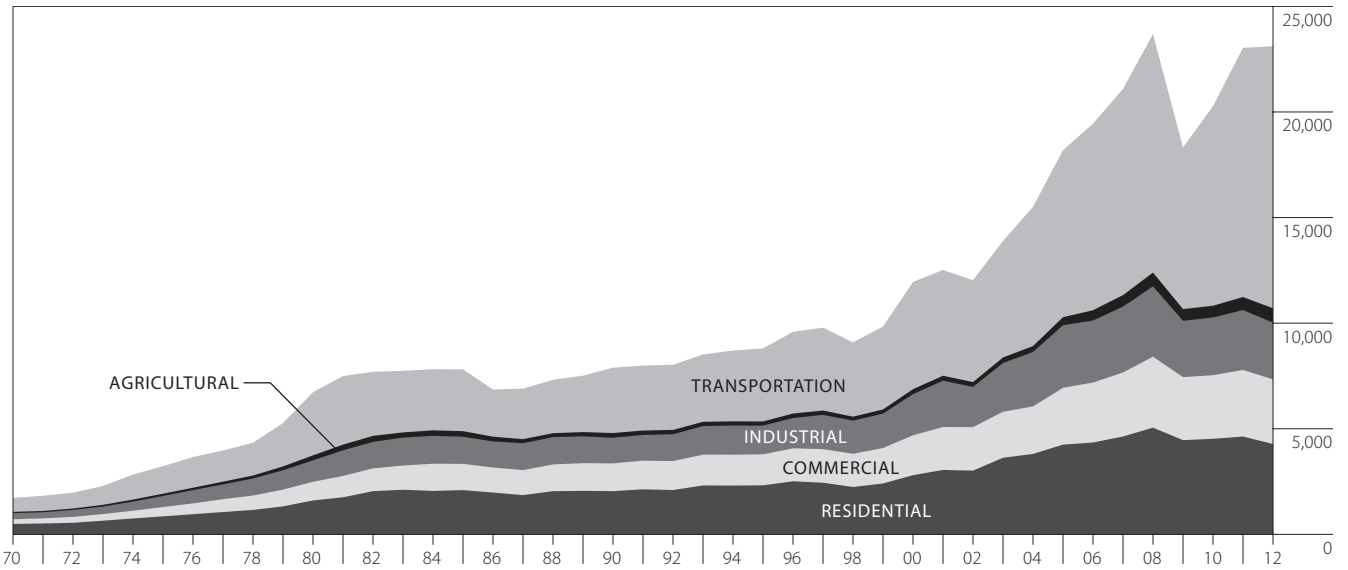
Expenditures increased for petroleum ($541.4 million or 4.2 percent) and electricity ($71.4 million, 1.0 percent), and fell for natural gas ($525.8 million, 18.4 percent) and coal ($12.3 million, 7.7 percent). Since 2000, Wisconsin's total energy expenditures have almost doubled—a 93.4 percent increase—by $11.2 billion.

Wisconsin End-Use Energy Expenditures, by Economic Sector

2012 MILLIONS OF DOLLARS AND PERCENT OF TOTAL



1970-2012 MILLIONS OF DOLLARS



Source: Wisconsin State Energy Office.

Wisconsin End-Use Energy Expenditures, by Economic Sector

1970-2012 MILLIONS OF DOLLARS AND PERCENT OF TOTAL

Year	Residential		Commercial		Industrial		Agricultural		Transportation		Total
1970r	494.7	*28.6%*	221.0	*12.8%*	290.7	*16.8%*	59.6	*3.4%*	664.3	*38.4%*	1,730.3
1975r	851.4	*26.4%*	443.0	*13.7%*	523.1	*16.2%*	106.9	*3.3%*	1,301.7	*40.3%*	3,226.1
1980r	1,606.0	*23.9%*	881.4	*13.1%*	1,015.4	*15.1%*	236.8	*3.5%*	2,990.6	*44.4%*	6,730.2
1985r	2,095.3	*26.8%*	1,242.5	*15.9%*	1,287.0	*16.5%*	261.8	*3.4%*	2,925.1	*37.4%*	7,811.8
1990r	2,047.2	*25.9%*	1,313.3	*16.6%*	1,214.6	*15.4%*	222.6	*2.8%*	3,095.3	*39.2%*	7,893.0
1995r	2,320.9	*26.4%*	1,469.6	*16.7%*	1,357.7	*15.4%*	196.0	*2.2%*	3,460.0	*39.3%*	8,804.4
1996r	2,512.6	*26.2%*	1,560.1	*16.3%*	1,435.8	*15.0%*	212.8	*2.2%*	3,866.1	*40.3%*	9,587.4
1997r	2,444.6	*25.0%*	1,590.6	*16.3%*	1,622.2	*16.6%*	206.6	*2.1%*	3,922.8	*40.1%*	9,786.8
1998r	2,243.1	*24.7%*	1,573.1	*17.3%*	1,569.7	*17.3%*	185.8	*2.0%*	3,520.4	*38.7%*	9,091.9
1999r	2,408.1	*24.5%*	1,679.3	*17.1%*	1,629.8	*16.6%*	196.0	*2.0%*	3,926.4	*39.9%*	9,839.5
2000r	2,801.9	*23.4%*	1,888.3	*15.8%*	1,948.3	*16.3%*	234.5	*2.0%*	5,078.4	*42.5%*	11,951.4
2001r	3,050.3	*24.4%*	2,034.4	*16.2%*	2,190.8	*17.5%*	235.3	*1.9%*	5,009.6	*40.0%*	12,520.4
2002r	3,017.1	*25.1%*	2,060.2	*17.1%*	1,904.0	*15.8%*	227.5	*1.9%*	4,822.4	*40.1%*	12,031.2
2003r	3,627.7	*26.1%*	2,177.7	*15.7%*	2,308.4	*16.6%*	261.3	*1.9%*	5,517.9	*39.7%*	13,893.1
2004r	3,807.1	*24.5%*	2,252.4	*14.5%*	2,574.0	*16.6%*	282.1	*1.8%*	6,593.3	*42.5%*	15,508.9
2005r	4,249.2	*23.4%*	2,690.5	*14.8%*	2,961.5	*16.3%*	379.9	*2.0%*	7,910.3	*43.5%*	18,191.5
2006r	4,349.1	*22.4%*	2,838.1	*14.6%*	2,937.3	*15.1%*	487.3	*2.4%*	8,834.2	*45.5%*	19,446.0
2007r	4,632.9	*22.0%*	3,031.3	*14.4%*	3,118.0	*14.8%*	544.6	*2.5%*	9,765.8	*46.3%*	21,092.6
2008r	5,051.7	*21.4%*	3,360.0	*14.2%*	3,330.9	*14.1%*	653.1	*2.6%*	11,291.9	*47.8%*	23,687.5
2009r	4,460.3	*24.4%*	2,985.9	*16.3%*	2,664.8	*14.6%*	555.5	*2.9%*	7,650.8	*41.8%*	18,317.3
2010r	4,525.0	*22.3%*	3,008.6	*14.8%*	2,734.0	*13.5%*	557.0	*2.7%*	9,452.7	*46.6%*	20,277.3
2011r	4,631.8	*20.1%*	3,154.4	*13.7%*	2,834.8	*12.3%*	615.9	*2.6%*	11,799.5	*51.3%*	23,036.4
2012p	**4,279.7**	***18.5%***	**3,056.7**	***13.2%***	**2,687.2**	***11.6%***	**681.4**	***2.9%***	**12,406.1**	***53.7%***	**23,111.0**

p Preliminary estimates.

r Revised due to revisions in price and consumption data.

Source: Compiled from tables in this publication for Wisconsin residential, commercial, industrial, agricultural and transportation energy use and prices, by type of fuel.

WISCONSIN'S **END-USE** ENERGY EXPENDITURES **0.3%** OVERALL

In 2012, energy expenditures increased overall by 0.3 percent, or $74.7 million.

The agriculture ($65.5 million, 10.6 percent) and transportation sectors ($606.0 million, 5.1 percent) saw increases in expenditures.

The remaining sectors saw decreases of $352.1 million (7.6 percent) in the residential sector, $97.8 million (3.1 percent) in the commercial sector, and $147.7 million (5.2 percent) in the industrial sector.

Wisconsin Resource Use Energy Expenditures, Estimated Dollars Leaving Wisconsin

This page estimates the amount of money spent on energy in Wisconsin that leaves the state. In 2012, $15.7 billion — a 1.3 percent increase over 2011 — left the state, comprising 68.1 percent of Wisconsin's $23.1 billion in end-use energy expenditures.

Like the other tables in this chapter, these dollar amounts do not include specific expenditures on renewable energy. The exception is where imported electricity is generated by renewable sources.

Of all petroleum energy expenditures, 85 percent are estimated to leave the state because petroleum refining operations are not located in Wisconsin, with the exception of Murphy Oil in Superior. The 15 percent estimated to stay in the state is due to Wisconsin-based gasoline and diesel blenders and retailers, LP and heating oil businesses, and utility revenues. Natural Gas production occurs out-of-state and natural gas pipelines are owned by out-of-state companies. The 15 percent estimated to stay in Wisconsin is attributed to in-state natural gas distribution businesses, LP businesses, and utility revenues.

Ninety-five percent of all expenditures on coal leave Wisconsin because this is an out-of-state resource. The five percent of expenditures estimated to stay in-state are attributed to utility revenues. All of the expenditures on imported electricity are necessarily attributed to out-of-state expenditures because this electricity is purchased from generation sources not based in Wisconsin.

1970-2012 MILLIONS OF DOLLARS

	Petroleum		Natural Gas		Coal		Imported Electricity		Total
Year	Expenditures	Expenditure Leaving State	Expenditures	Expenditure Leaving State	Expenditures	Expenditure Leaving State	Expenditures	Expenditure Leaving State	Expenditure Leaving State
1970[r]	898.9	764.1	257.6	219.0	177.1	168.2	-51.2	-51.2	1,100.2
1975[r]	1,753.6	1,490.6	473.3	402.3	267.2	253.8	-54.7	-54.7	2,092.1
1980[r]	3,798.3	3,228.5	1,175.3	999.0	471.5	447.9	-26.0	-26.0	4,649.5
1985[r]	3,651.8	3,104.0	1,622.6	1,379.2	664.9	631.6	-9.2	-9.2	5,105.7
1990[r]	3,742.9	3,181.5	1,388.9	1,180.6	585.4	556.1	417.6	417.6	5,335.7
1995[r]	3,975.8	3,379.5	1,629.6	1,385.2	555.8	528.0	585.1	585.1	5,877.8
1996[r]	4,527.1	3,848.0	1,889.8	1,606.3	546.4	519.1	373.8	373.8	6,347.2
1997[r]	4,556.1	3,872.7	2,042.5	1,736.2	583.9	554.7	604.3	604.3	6,767.8
1998[r]	3,980.5	3,383.4	1,697.3	1,442.7	558.6	530.7	520.2	520.2	5,877.1
1999[r]	4,453.6	3,785.5	1,838.9	1,563.1	543.1	516.0	490.7	490.7	6,355.3
2000[r]	5,795.4	4,926.1	2,461.3	2,092.1	560.9	532.8	497.1	497.1	8,048.1
2001[r]	5,749.4	4,887.0	2,778.8	2,362.0	586.1	556.8	655.9	655.9	8,461.7
2002[r]	5,449.4	4,632.0	2,325.2	1,976.4	604.3	574.1	560.0	560.0	7,742.5
2003[r]	6,296.8	5,352.3	3,146.2	2,674.3	637.3	605.4	512.6	512.6	9,144.6
2004[r]	7,492.0	6,368.2	3,343.9	2,842.3	672.2	638.6	574.2	574.2	10,423.3
2005[r]	9,090.0	7,726.5	4,266.9	3,626.9	735.3	698.5	833.3	833.3	12,885.2
2006[r]	10,194.1	8,665.0	3,798.6	3,228.8	828.4	787.0	408.6	408.6	13,089.4
2007[r]	11,279.3	9,587.4	4,073.5	3,462.5	928.9	882.5	665.0	665.0	14,597.3
2008[r]	13,024.1	11,070.5	4,617.5	3,924.8	1,111.4	1,055.9	577.8	577.8	16,629.0
2009[r]	8,791.0	7,472.3	3,385.9	2,878.0	1,030.0	978.5	567.7	567.7	11,896.5
2010[r]	10,529.7	8,950.2	3,130.5	2,660.9	1,168.3	1,109.9	422.4	422.4	13,143.5
2011[r]	13,049.5	11,092.1	3,092.7	2,628.8	1,278.9	1,214.9	603.2	603.2	15,539.0
2012[p]	**13,592.7**	**11,553.8**	**2,617.4**	**2,224.8**	**1,041.1**	**989.1**	**972.4**	**972.4**	**15,740.1**

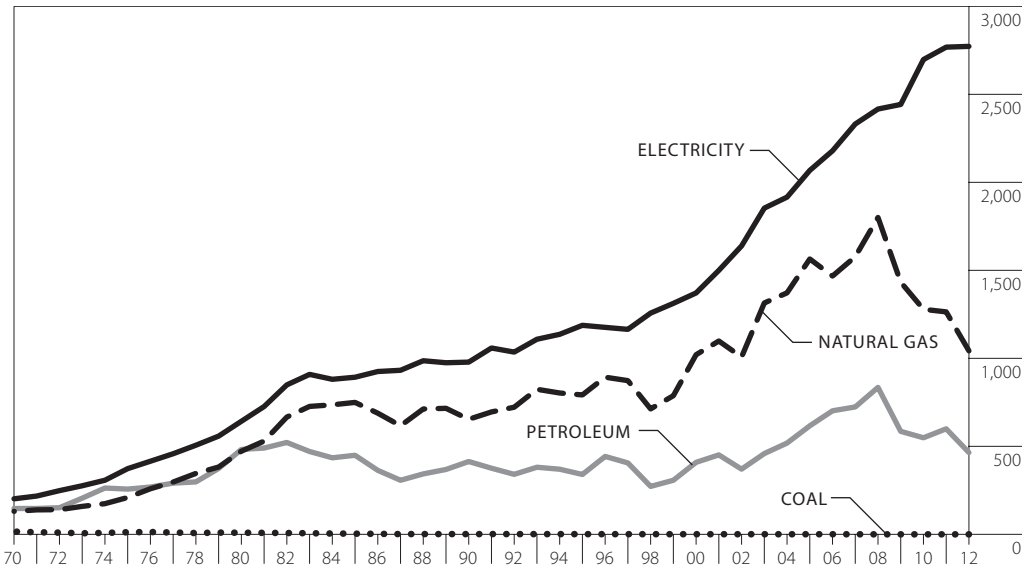
p Preliminary estimates.

r Revised due to revisions in price and consumption data.

Source: Compiled from tables in this publication for Wisconsin petroleum, natural gas, coal and electricity use and prices, by economic sector.

Wisconsin Expenditures for Residential Energy, by Type of Fuel

1970-2012 MILLIONS OF DOLLARS



1970-2012 MILLIONS OF DOLLARS AND PERCENT OF TOTAL

Year	Petroleum		Natural Gas		Coal		Electricity		Total[a]
1970[r]	146.8	*29.7%*	130.5	*26.4%*	15.5	*3.1%*	201.8	*40.8%*	494.7
1975[r]	257.0	*30.2%*	209.4	*24.6%*	11.8	*1.4%*	373.3	*43.8%*	851.4
1980[r]	482.3	*30.0%*	472.4	*29.4%*	9.0	*0.6%*	642.3	*40.0%*	1,606.0
1985[r]	449.2	*21.4%*	749.6	*35.8%*	3.8	*0.2%*	892.7	*42.6%*	2,095.3
1990[r]	413.7	*20.2%*	653.6	*31.9%*	1.3	*0.1%*	978.5	*47.8%*	2,047.2
1995[r]	340.2	*14.7%*	792.0	*34.1%*	1.1	*0.0%*	1,187.6	*51.2%*	2,320.9
2000[r]	409.1	*14.6%*	1,020.6	*36.4%*	0.7	*0.0%*	1,371.5	*48.9%*	2,801.9
2005[r]	616.4	*14.5%*	1,564.5	*36.8%*	0.6	*0.0%*	2,067.7	*48.7%*	4,249.2
2006[r]	702.0	*16.1%*	1,467.6	*33.7%*	0.5	*0.0%*	2,179.0	*50.1%*	4,349.1
2007[r]	723.8	*15.6%*	1,577.3	*34.0%*	0.4	*0.0%*	2,331.4	*50.3%*	4,632.9
2008[r]	834.8	*16.5%*	1,800.3	*35.6%*	0.0	*0.0%*	2,416.5	*47.8%*	5,051.7
2009[r]	585.1	*13.1%*	1,432.8	*32.1%*	0.0	*0.0%*	2,442.4	*54.8%*	4,460.3
2010[r]	548.7	*12.1%*	1,278.5	*28.3%*	0.0	*0.0%*	2,697.8	*59.6%*	4,525.0
2011[r]	599.6	*12.9%*	1,264.0	*27.3%*	0.0	*0.0%*	2,768.2	*59.8%*	4,631.8
2012[p]	**464.7**	***10.9%***	**1,042.6**	***24.4%***	**0.0**	***0.0%***	**2,772.5**	***64.8%***	**4,279.7**

a Does not include renewable energy, except those renewable fuels used in electricity production.
p Preliminary estimates.
r Revised due to revisions in price and consumption data.
Source: Compiled from tables in this publication for Wisconsin residential energy use and prices.

WISCONSIN'S **OVERALL** RESIDENTIAL ENERGY EXPENDITURES **7.6%**

In 2012, overall residential energy expenditures decreased by 7.6 percent ($352.1 million) from 2011. Expenditures increased for electricity (0.2 percent, $4.3 million) while petroleum and natural gas saw decreases of 22.5 percent ($134.9 million) and 17.5 percent ($221.4 million), respectively.

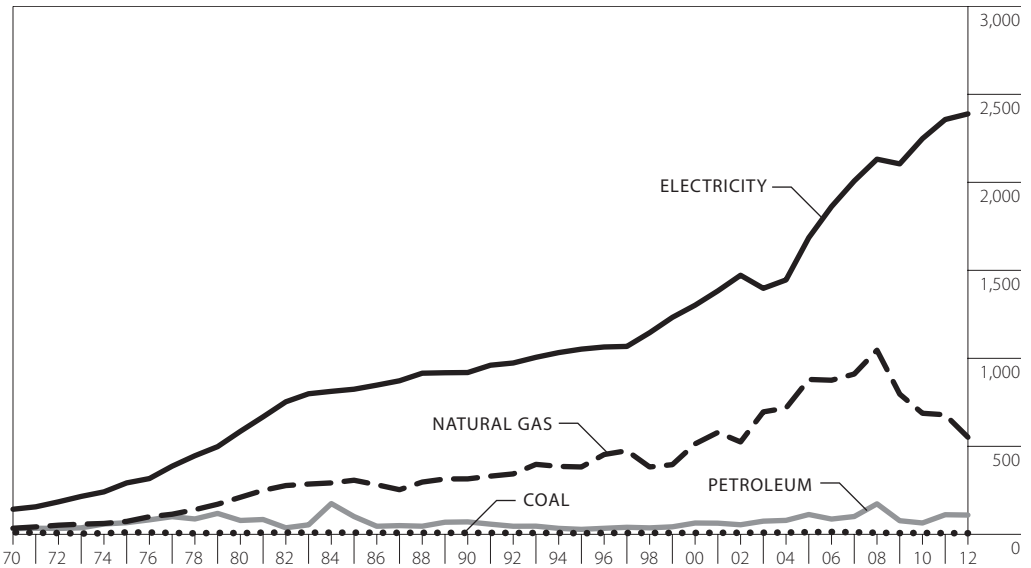
Increases in natural gas expenditures are primarily due to the use of natural gas as a space heating fuel, while petroleum expenditures are due primarily to transportation expenses.

Wisconsin Expenditures for Commercial Energy, by Type of Fuel

WISCONSIN EXPENDITURES FOR COMMERCIAL ENERGY
3.1%

Commercial energy expenditures decreased 3.1 percent ($97.8 million) in 2012. Commercial energy expenditures are dominated (78.2 percent) by electricity used for lighting, cooling, ventilation and office equipment.

1970-2012 MILLIONS OF DOLLARS



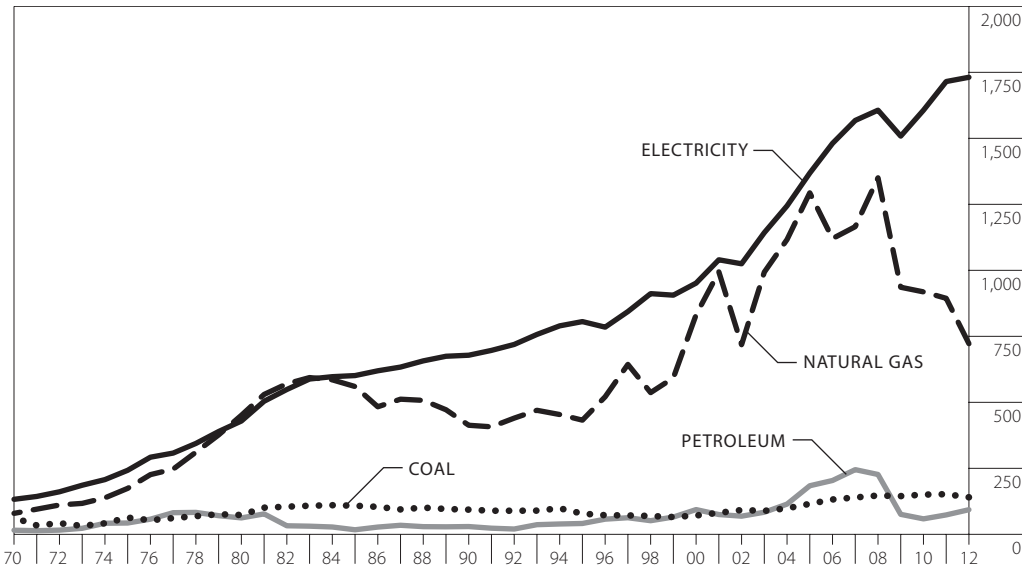
1970-2012 MILLIONS OF DOLLARS AND PERCENT OF TOTAL

Year	Petroleum		Natural Gas		Coal		Electricity		Total[a]
1970[r]	32.3	*14.6%*	34.6	*15.7%*	11.5	*5.2%*	142.6	*64.5%*	221.0
1975[r]	66.2	*14.9%*	73.5	*16.6%*	11.0	*2.5%*	292.2	*66.0%*	443.0
1980[r]	78.8	*8.9%*	210.6	*23.9%*	6.8	*0.8%*	585.2	*66.4%*	881.4
1985[r]	101.2	*8.1%*	307.4	*24.7%*	9.3	*0.8%*	824.6	*66.4%*	1,242.5
1990[r]	70.7	*5.4%*	315.1	*24.0%*	8.2	*0.6%*	919.4	*70.0%*	1,313.3
1995[r]	28.3	*1.9%*	382.8	*26.0%*	6.2	*0.4%*	1,052.4	*71.6%*	1,469.6
2000[r]	64.3	*3.4%*	514.0	*27.2%*	8.0	*0.4%*	1,302.0	*68.9%*	1,888.3
2005[r]	112.7	*4.2%*	880.1	*32.7%*	12.2	*0.5%*	1,685.5	*62.6%*	2,690.5
2006[r]	86.8	*3.1%*	875.6	*30.9%*	13.6	*0.5%*	1,862.0	*65.6%*	2,838.1
2007[r]	101.2	*3.3%*	910.8	*30.0%*	11.6	*0.4%*	2,007.7	*66.2%*	3,031.3
2008[r]	173.3	*5.2%*	1,046.2	*31.1%*	8.9	*0.3%*	2,131.6	*63.4%*	3,360.0
2009[r]	77.4	*2.6%*	796.6	*26.7%*	6.9	*0.2%*	2,104.9	*70.5%*	2,985.9
2010[r]	64.5	*2.1%*	687.9	*22.9%*	7.9	*0.3%*	2,248.3	*74.7%*	3,008.6
2011[r]	111.4	*3.5%*	679.3	*21.5%*	6.8	*0.2%*	2,357.0	*74.7%*	3,154.4
2012[p]	**109.6**	***3.6%***	**551.8**	***18.1%***	**6.2**	***0.2%***	**2,389.1**	***78.2%***	**3,056.7**

a Does not include renewable energy, except those renewable fuels used in electricity production.
p Preliminary estimates.
r Revised due to revisions in price and consumption data.
Source: Compiled from tables in this publication for Wisconsin commercial energy use and prices.

Wisconsin Expenditures for Industrial Energy, by Type of Fuel

1970-2012 MILLIONS OF DOLLARS



1970-2012 MILLIONS OF DOLLARS AND PERCENT OF TOTAL

Year	Petroleum		Natural Gas		Coal		Electricity		Total[a]
1970[r]	15.5	*5.3%*	79.4	*27.3%*	63.1	*21.7%*	132.6	*45.6%*	290.7
1975[r]	42.9	*8.2%*	174.2	*33.3%*	63.4	*12.1%*	242.6	*46.4%*	523.1
1980[r]	62.2	*6.1%*	450.8	*44.4%*	73.2	*7.2%*	429.2	*42.3%*	1,015.4
1985[r]	17.3	*1.3%*	559.9	*43.5%*	108.5	*8.4%*	601.4	*46.7%*	1,287.0
1990[r]	29.5	*2.4%*	413.2	*34.0%*	93.5	*7.7%*	678.5	*55.9%*	1,214.6
1995[r]	41.1	*3.0%*	432.5	*31.9%*	78.3	*5.8%*	805.8	*59.4%*	1,357.7
2000[r]	93.8	*4.8%*	831.7	*42.7%*	71.3	*3.7%*	951.6	*48.8%*	1,948.3
2005[r]	184.0	*6.2%*	1,293.6	*43.7%*	115.5	*3.9%*	1,368.4	*46.2%*	2,961.5
2006[r]	203.9	*6.9%*	1,120.4	*38.1%*	132.0	*4.5%*	1,480.9	*50.4%*	2,937.3
2007[r]	245.0	*7.9%*	1,165.4	*37.4%*	139.7	*4.5%*	1,567.8	*50.3%*	3,118.0
2008[r]	226.8	*6.8%*	1,350.5	*40.5%*	147.0	*4.4%*	1,606.6	*48.2%*	3,330.9
2009[r]	75.7	*2.8%*	935.9	*35.1%*	144.8	*5.4%*	1,508.5	*56.6%*	2,664.8
2010[r]	58.6	*2.1%*	918.4	*33.6%*	150.5	*5.5%*	1,606.4	*58.8%*	2,734.0
2011[r]	73.6	*2.6%*	894.0	*31.5%*	152.1	*5.4%*	1,715.2	*60.5%*	2,834.8
2012[p]	**93.3**	***3.5%***	**722.2**	***26.9%***	**140.4**	***5.2%***	**1,731.3**	***64.4%***	**2,687.2**

a Does not include renewable energy, except those renewable fuels used in electricity production.
p Preliminary estimates.
r Revised due to revisions in price and consumption data.
Source: Compiled from tables in this publication for Wisconsin industrial energy use and prices.

WISCONSIN EXPENDITURES FOR INDUSTRIAL ENERGY
5.2%

In 2012, industrial energy expenditures decreased 5.2 percent ($147.7 million). Industrial energy use is dominated by electricity (64.4 percent) and natural gas (26.9 percent).

Expenditures increased for petroleum ($19.7 million, 26.8 percent) and electricity ($16.1 million, 0.9 percent), while expenditures fell for natural gas ($171.8, 19.2 percent) and coal ($11.7 million, 7.7 percent).

Wisconsin Expenditures for Agricultural Energy, by Type of Fuel

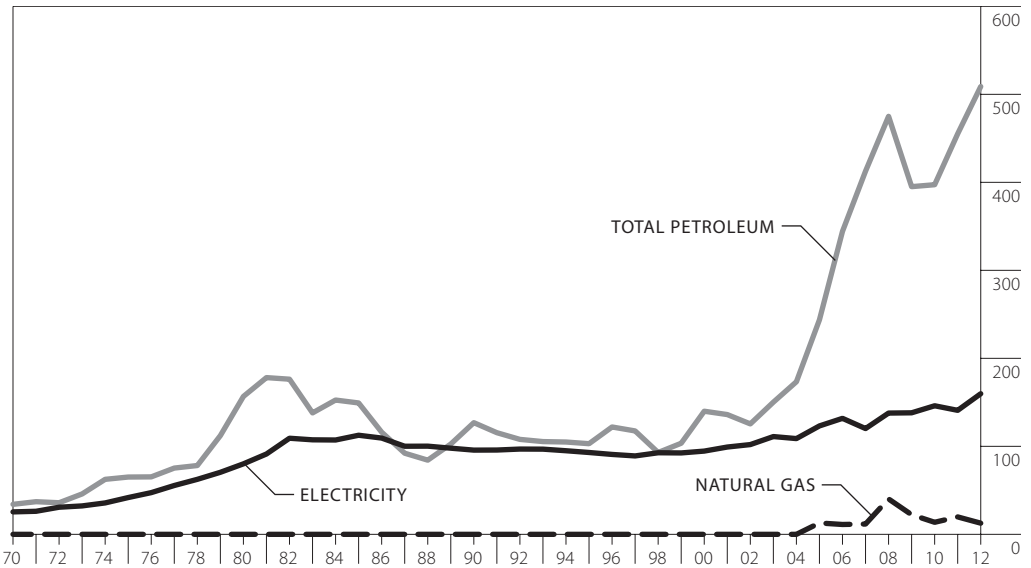
WISCONSIN'S **AGRICULTURAL** ENERGY BILL

10.6%

Wisconsin's agricultural energy bill is 10.6 percent more than 2011, an increase of $65.5 million

Natural gas data, which was not available prior to 2005, is now part of the overall calculation of agricultural energy expenditures. The agriculture sector uses natural gas primarily for space heating and crop drying.

1970-2012 MILLIONS OF DOLLARS



1970-2012 MILLIONS OF DOLLARS AND PERCENT OF TOTAL

Year	Motor Gasoline	Diesel Fuel[a]	LPG	Other Fuel[b]	Total Petroleum		Electricity		Natural Gas		Total[c]
1970	19.1	9.8	5.2		34.1	*57.2%*	25.5	*42.8%*			59.6
1975	30.1	24.1	10.8		65.1	*60.9%*	41.8	*39.1%*			106.9
1980	39.0	94.8	22.9		156.7	*66.2%*	80.1	*33.8%*			236.8
1985	22.4	99.0	27.8		149.3	*57.0%*	112.6	*43.0%*			261.8
1990	11.5	93.7	21.7		126.9	*57.0%*	95.7	*43.0%*			222.6
1995	8.0	71.9	23.1		103.0	*52.5%*	93.0	*47.5%*			196.0
2000	8.8	103.9	27.2		139.9	*59.7%*	94.6	*40.3%*			234.5
2005	72.6	130.7	36.5	4.0	243.8	*64.2%*	123.2	*32.4%*	12.9	*3.4%*	379.9
2006	68.1	224.0	47.1	5.1	344.3	*70.7%*	131.8	*27.0%*	11.2	*2.3%*	487.3
2007	84.9	269.0	53.7	5.1	412.7	*75.8%*	120.2	*22.1%*	11.7	*2.1%*	544.6
2008[d]	77.6	320.4	71.2	5.8	475.0	*72.7%*	137.8	*21.1%*	40.2	*6.2%*	653.1
2009	70.1	247.1	67.4	10.5	395.1	*71.1%*	138.1	*24.9%*	22.3	*4.0%*	555.5
2010	69.2	270.6	53.0	4.3	397.3	*71.3%*	146.1	*26.2%*	13.7	*2.5%*	557.0
2011	77.4	327.3	45.3	5.2	455.2	*73.9%*	140.9	*22.9%*	19.8	*3.2%*	615.9
2012[p]	**81.2**	**384.2**	**40.1**	**3.4**	**508.9**	***74.7%***	**159.8**	***23.5%***	**12.7**	***1.9%***	**681.4**

a Includes fuel oil and kerosene.

b The fuel is primarily distillate and kerosene, but may include small amounts of coal and wood.

c Does not include renewable energy, except those renewable fuels used in electricity production.

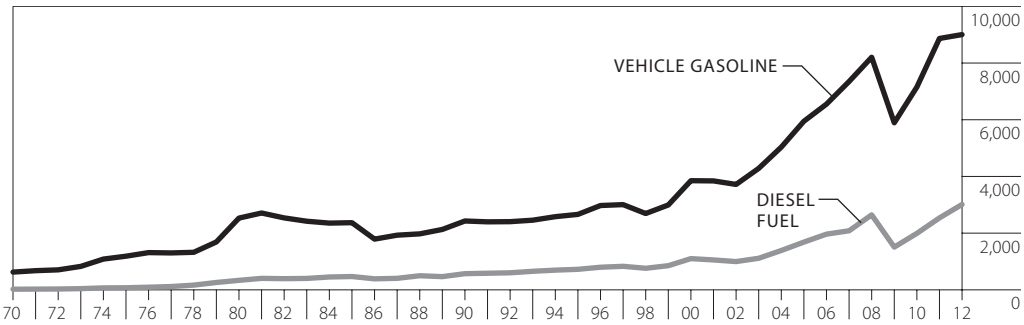
d The increase in expenditures in 2008 reflects the relatively high price of natural gas in that year, as well as the inclusion of nurseries and greenhouses in the sample.

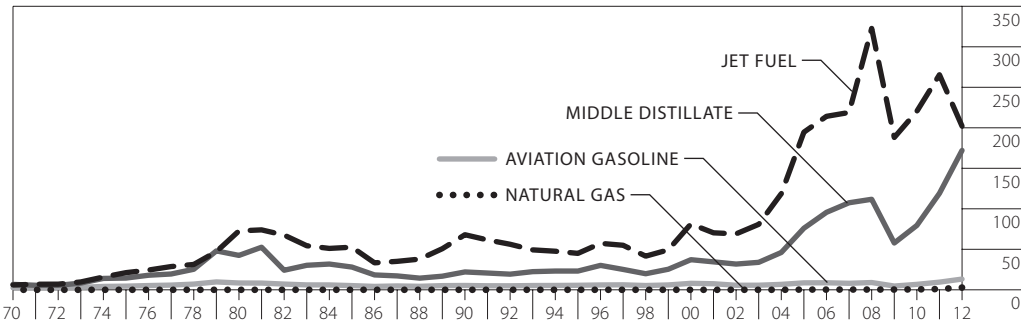
p Preliminary estimates.

Source: Compiled from tables in this publication for Wisconsin agricultural energy use and prices.

Wisconsin Expenditures for Transportation Energy, by Type of Fuel

1970-2012 MILLIONS OF DOLLARS





1970-2012 MILLIONS OF DOLLARS AND PERCENT OF TOTAL

Year	Vehicle Gasoline[a]		Diesel Fuel		Aviation Gasoline		Jet Fuel		Middle Distillate		Natural Gas		Total
1970	626.2	*94.3%*	23.0	*3.5%*	2.4	*0.4%*	5.9	*0.9%*	6.7	*1.0%*			664.3
1975	1,187.1	*91.2%*	74.4	*5.7%*	4.5	*0.3%*	21.2	*1.6%*	14.5	*1.1%*			1,301.7
1980	2,531.3	*84.6%*	335.7	*11.2%*	8.4	*0.3%*	72.7	*2.4%*	42.5	*1.4%*			2,990.6
1985	2,369.2	*81.0%*	470.0	*16.1%*	5.2	*0.2%*	52.6	*1.8%*	28.1	*1.0%*			2,925.1
1990	2,429.2	*78.5%*	570.8	*18.4%*	5.3	*0.2%*	68.0	*2.2%*	22.0	*0.7%*			3,095.3
1995	2,661.8	*76.9%*	724.6	*20.9%*	5.6	*0.2%*	45.0	*1.3%*	23.1	*0.7%*			3,460.0
2000	3,850.2	*75.8%*	1,101.7	*21.7%*	8.0	*0.2%*	81.3	*1.6%*	37.2	*0.7%*			5,078.4
2005	5,946.8	*75.2%*	1,684.1	*21.3%*	8.6	*0.1%*	194.6	*2.5%*	76.0	*1.0%*	0.289	*0.004%*	7,910.3
2006	6,550.7	*74.2%*	1,964.8	*22.2%*	8.7	*0.1%*	214.2	*2.4%*	95.6	*1.1%*	0.264	*0.003%*	8,834.2
2007	7,348.0	*75.2%*	2,083.1	*21.3%*	8.0	*0.1%*	218.9	*2.2%*	107.5	*1.1%*	0.316	*0.003%*	9,765.8
2008	8,203.7	*72.7%*	2,644.5	*23.4%*	9.0	*0.1%*	322.7	*2.9%*	111.8	*1.0%*	0.316	*0.003%*	11,291.9
2009	5,892.2	*77.0%*	1,507.8	*19.7%*	4.7	*0.1%*	188.1	*2.5%*	57.8	*0.8%*	0.308	*0.004%*	7,650.8
2010	7,153.1	*75.7%*	1,992.5	*21.1%*	6.7	*0.1%*	220.4	*2.3%*	79.5	*0.8%*	0.521	*0.006%*	9,452.7
2011	8,866.9	*75.2%*	2,537.6	*21.5%*	9.5	*0.1%*	265.5	*2.3%*	119.1	*1.0%*	0.933	*0.008%*	11,799.5
2012[p]	**9,003.5**	***72.6%***	**3,012.4**	***24.3%***	**13.3**	***0.1%***	**202.0**	***1.6%***	**172.1**	***1.4%***	**2.787**	***0.022%***	**12,406.1**

a Includes ethanol.

p Preliminary estimates.

Source: Compiled from tables in this publication for Wisconsin transportation energy use and prices.

WISCONSIN'S TRANSPORTATION ENERGY BILL

5.1%

Wisconsin's transportation energy bill increased 5.1 percent ($606.6 million dollars) in 2012. Vehicle gasoline accounts for 72.6 percent of all transportation expenditures, costing motorists $9 billion.

2011 was the first year that compressed natural gas vehicle fuel is included in the calculation of overall transportation expenditures.

Information about natural gas as a vehicle fuel, as well as a refueling station map locator, can be found on the Wisconsin State Energy Office website at www.stateenergyoffice.wi.gov.