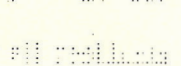


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Praktische Probleme entstehen bei der Arbeit. Nichts ist schlimmer als ein Problem zu haben, das man nicht lösen kann. Nichts ist schlimmer als ein Problem zu haben, das man nicht lösen kann.

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C S Country music still leading, and 1949 is by about 25 percent more. Pop came right to the front, and the new 1949 is by about 25 percent more.

Nebraska Energy Office Energy Statistics, 1960-1993 presents the most current information available about Nebraska's energy consumption and production. This publication is intended to provide energy planners, policy makers and consumers with a useful reference to make informed energy decisions.

This report is divided into six sections with appendices. The first presents an overview of energy use and trends in the state. The second section covers energy use and trends in the residential, commercial, industrial, transportation and electric utility sectors. The third section provides specific information on consumption and trends for natural gas, petroleum, electricity and coal. Section four contains production information for crude oil, natural gas and ethanol. Electricity generation and facilities are covered in section five. Section six contains miscellaneous information such as degree days, population and motor vehicle data. The appendices contain conversion factors and a glossary of terms used in this publication.

This report was compiled and prepared by the Nebraska Energy Office. The statistical series presented represent those determined to be most useful. Every effort has been made to ensure accuracy.

Suggestions or comments regarding this publication are welcome.

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Total Energy Consumption and Expenditures

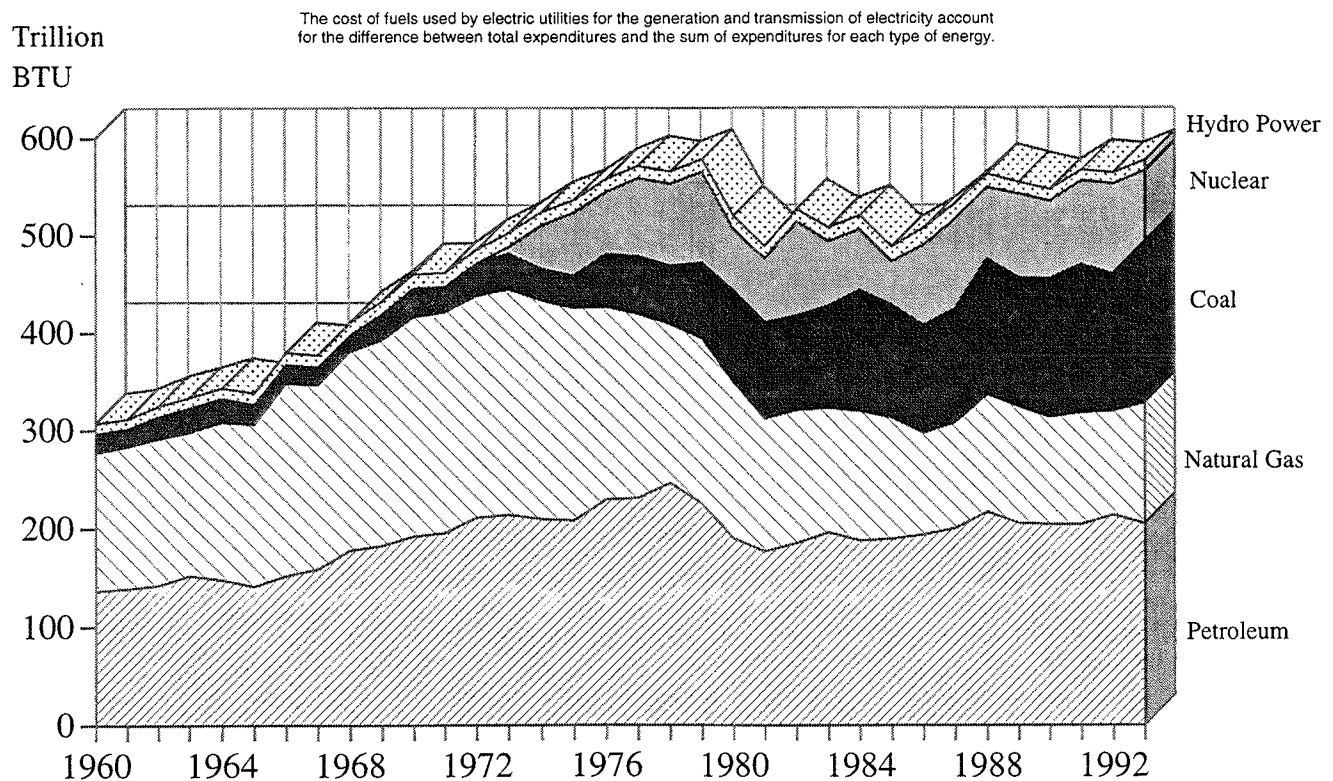
Total Energy Consumption

There are two common ways to account for energy consumption: primary resource consumption and end-use energy consumption. End use refers to the energy content of electricity and other fuels at the point of use by consumers. Approximately 70% of the primary energy used to generate and distribute electricity is lost as waste heat. This loss is referred to as associated energy losses or electric system losses throughout this report. Unless otherwise noted, total energy consumption refers to total primary energy consumption adjusted for net interstate sales of electricity.

Total energy consumption in 1993 was 542.1 trillion Btus, a 7.2% increase from 1992. This compares with peak consumption of 554.4 trillion Btus in 1977. Petroleum use decreased 1.0% from 1992, natural gas use increased 17.6%, coal use increased 18.0%, nuclear power use decreased 22.2%, and hydroelectric power decreased 6.3%. Overall, consumption of primary energy resources increased 3.6% in 1993 from 1992. Interstate sales of electricity decreased 31.4%.

Figure 1

Resource Consumption by Type, Nebraska, 1960-1993



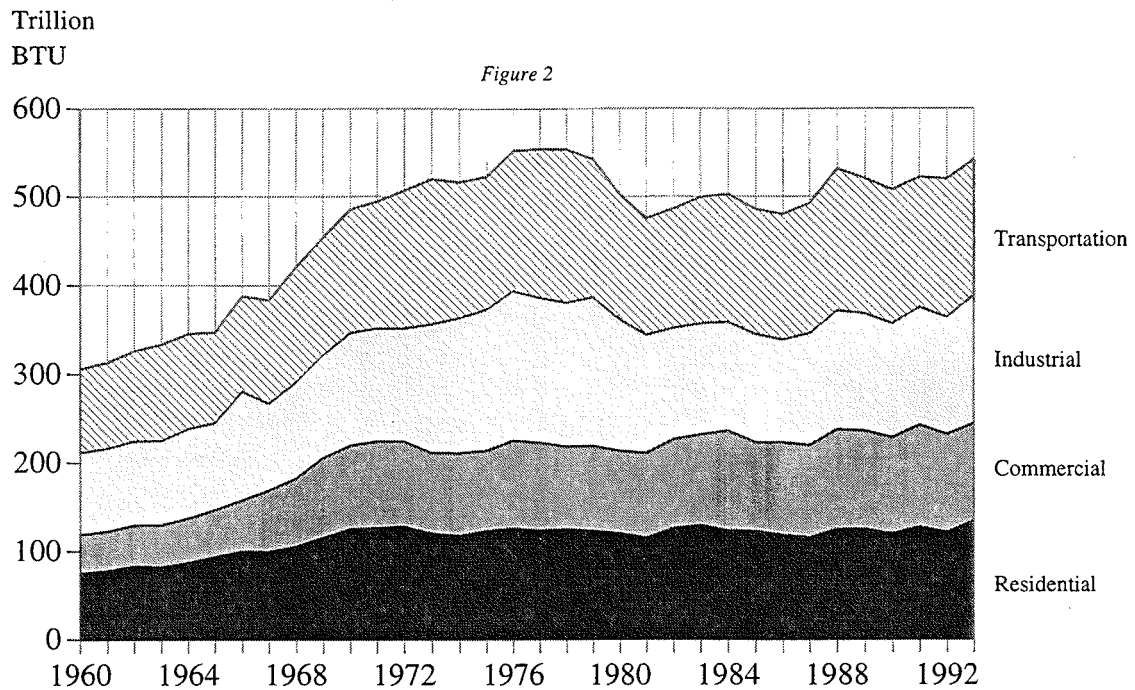
Resource Consumption by Type, Nebraska, 1960-1993

(Trillion Btu)

	Petroleum	Natural Gas	Coal	Nuclear	Hydro Power	Primary Total	Net I/S Sales	Total
1960	136.5	140.4	20.0	0.0	10.3	307.7	-1.8	305.9
1961	138.8	144.6	18.2	0.0	9.9	312.0	1.1	313.1
1962	142.0	149.3	23.0	0.0	10.3	325.0	0.7	325.7
1963	151.8	145.8	24.5	0.9	10.6	334.0	-0.6	333.5
1964	147.7	160.5	23.7	1.1	10.5	343.8	2.0	345.7
1965	141.1	164.7	20.8	-0.1	11.7	338.2	9.0	347.3
1966	152.0	195.9	19.7	0.0	12.1	379.7	8.3	388.0
1967	158.9	187.9	18.3	0.0	12.1	377.2	6.3	383.5
1968	177.8	202.9	17.2	0.0	13.0	410.9	10.0	421.0
1969	182.6	209.6	27.1	0.0	12.9	432.2	22.0	454.3
1970	192.0	224.1	29.7	0.0	14.4	460.2	25.6	485.8
1971	195.2	225.5	26.3	0.0	14.2	461.2	33.3	494.5
1972	211.2	226.4	33.5	0.0	14.2	485.3	21.8	507.1
1973	213.9	230.8	36.9	6.5	14.2	502.3	17.6	520.0
1974	209.9	223.3	32.8	44.6	13.5	524.1	-7.5	516.5
1975	208.1	217.5	32.9	65.2	12.6	536.3	-13.0	523.2
1976	229.5	197.4	53.7	64.3	13.2	558.1	-5.9	552.3
1977	231.1	188.4	59.3	80.2	12.7	571.7	-17.4	554.4
1978	246.3	162.7	59.8	84.5	12.3	565.6	-11.8	553.8
1979	224.9	169.0	77.6	94.2	12.9	578.6	-35.9	542.6
1980	189.7	159.5	93.9	63.1	13.9	520.1	-17.3	502.7
1981	176.4	135.3	98.6	66.0	12.5	488.8	-13.0	475.8
1982	184.8	135.6	96.7	96.9	12.7	526.7	-39.8	486.9
1983	195.6	127.0	104.8	66.3	14.2	507.9	-8.2	499.6
1984	187.4	131.9	124.3	62.7	14.0	520.3	-17.7	502.5
1985	189.0	123.9	115.5	44.7	15.1	488.2	7.8	495.9
1986	193.2	104.0	109.9	82.7	17.5	507.3	-27.3	480.0
1987	199.8	107.7	116.5	92.6	16.3	532.9	-40.3	492.6
1988	216.5	119.9	139.3	73.4	13.9	563.0	-31.6	531.4
1989	205.3	118.7	132.0	86.6	12.0	554.6	-33.9	520.7
1990	203.8	109.2	142.0	80.2	11.8	547.0	-39.0	507.9
1991	202.9	114.0	152.0	86.4	10.8	566.1	-45.1	522.0
1992	206.8	104.6	140.9	93.4	11.1	556.9	-51.2	505.8
1993	204.8	123.0	166.2	72.7	10.4	577.2	-35.1	542.1

Sources: *State Energy Data Report, Consumption Estimates, 1960-1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. May, 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

Notes: Primary energy consumption includes energy used in the generation of electricity whether that electricity is used in Nebraska or not. Net I/S (Interstate Sales) represents the difference between the energy in electricity sold (including associated losses) and the energy input at electric utilities in Nebraska. (Negative if exports, positive if imports.) From 1960-1964, and 1992-1993, a small amount of other energy was consumed.



Energy Consumption by End-Use Sector, Nebraska, 1960-1993

	Residential	Commercial	Industrial	Transportation	Total
1960	75.1	43.9	92.7	94.2	305.9
1961	77.6	45.0	93.9	96.6	313.1
1962	83.0	46.6	95.0	101.2	325.7
1963	82.0	47.9	95.3	108.4	333.5
1964	86.9	50.5	101.1	107.1	345.7
1965	93.6	53.5	98.1	102.2	347.3
1966	99.6	58.4	122.4	107.7	388.0
1967	99.2	69.8	98.0	116.4	383.5
1968	105.2	77.4	108.7	129.8	421.0
1969	115.5	90.4	115.9	132.4	454.3
1970	125.0	94.9	126.7	139.3	485.8
1971	126.4	98.1	127.3	142.8	494.5
1972	127.9	96.7	127.0	155.5	507.1
1973	120.0	91.4	145.2	163.5	520.0
1974	117.5	93.4	152.4	153.2	516.5
1975	123.1	90.8	159.4	149.9	523.2
1976	125.4	99.7	169.0	158.1	552.3
1977	123.5	99.3	163.4	168.3	554.4
1978	124.9	93.4	162.6	172.9	553.8
1979	123.1	95.9	167.5	156.1	542.6
1980	120.0	93.4	148.4	141.0	502.7
1981	114.9	96.0	133.4	131.5	475.8
1982	125.9	100.7	125.4	134.8	486.9
1983	129.3	102.3	125.1	142.9	499.6
1984	123.5	112.7	122.6	143.8	502.5
1985	122.5	100.4	122.3	140.6	495.9
1986	118.3	104.8	115.4	141.7	480.0
1987	115.5	104.1	126.2	146.7	492.6
1988	124.5	113.1	133.8	160.1	531.4
1989	124.6	111.6	132.0	152.4	520.7
1990	119.3	109.2	128.4	151.0	507.9
1991	127.0	115.8	132.3	145.9	522.0
1992	116.2	106.2	131.3	152.1	505.8
1993	134.0	110.6	144.8	152.7	542.1

Sources: *State Energy Data Report, Consumption Estimates, 1960-1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. May, 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

Figure 3
Energy Consumption by Fuel Type by Sector, Nebraska, 1991, 1992 and 1993
 (Trillion Btu)

1991 Fuel Type	Residential	Commercial	Industrial	Transportation	Electric Utilities	Primary Total	End Use Total
Coal	0.1	0.1	6.1	-	145.6	151.9	6.3
Natural Gas	44.0	39.7	24.4	2.3	3.5	113.9	110.4
Petroleum	5.6	2.6	51.0	143.5	0.2	202.9	202.7
Motor Gas	-	0.5	4.9	88.0	-	93.4	93.4
Aviation Fuel	-	-	-	7.0	-	7.0	7.0
Propane	4.4	0.8	6.0	0.2	-	11.4	11.4
Distillates	1.1	1.1	27.1	46.4	0.2	75.9	75.7
Other	*	0.2	13.0	1.9	*	15.1	15.1
Nuclear	-	-	-	-	86.4	86.4	-
Hydro	-	-	-	-	10.8	10.8	-
Total Primary	49.7	42.4	81.5	145.8	246.5	565.9	-
Electric Sales	24.4	23.1	16.0	-	-	-	63.5
Net Interstate Sales	-	-	-	-	-45.0	-45.0	-
Total Net End Use	74.1	65.5	97.5	145.8	-	-	382.9
Electric System Losses	52.9	50.3	34.8	-	-	-	138.0
Total End Use	127.0	115.8	132.3	145.8	-	520.9	520.9

1992 Fuel Type	Residential	Commercial	Industrial	Transportation	Electric Utilities	Primary Total	End Use Total
Coal	0.1	0.1	6.0	-	134.8	141.0	6.2
Natural Gas	40.6	33.8	25.9	2.5	1.8	104.6	102.8
Petroleum	5.4	3.2	48.5	149.6	0.1	206.8	206.7
Motor Gas	-	0.5	4.3	89.5	-	94.3	94.3
Aviation Fuel	-	-	-	7.0	-	7.0	7.0
Propane	4.5	0.8	6.2	0.2	-	11.7	11.7
Distillates	0.8	1.6	28.6	50.9	0.1	82.0	81.9
Other	0.1	0.3	9.4	2.0	-	11.8	11.8
Nuclear	-	-	-	-	93.4	93.4	-
Hydro	-	-	-	-	11.1	11.1	-
Other	-	-	-	-	0.1	0.1	-
Total Primary	46.1	37.1	80.4	152.1	241.3	557.0	-
Electric Sales	22.4	22.1	16.2	-	-	-	60.7
Net Interstate Sales	-	-	-	-	-51.1	-51.1	-
Total Net End Use	68.5	59.2	96.6	152.1	-	-	376.4
Electric System Losses	47.8	47.1	34.6	-	-	-	129.5
Total End Use	116.3	106.3	131.2	152.1	-	505.9	505.9

1993 Fuel Type	Residential	Commercial	Industrial	Transportation	Electric Utilities	Primary Total	End Use Total
Coal	0.1	0.1	6.9	-	159.2	166.3	7.1
Natural Gas	49.9	33.2	35.3	2.8	1.8	123.0	121.2
Petroleum	5.1	3.0	46.6	149.9	0.2	204.8	204.6
Motor Gas	-	0.5	4.4	92.0	-	96.9	96.9
Aviation Fuel	-	-	-	7.5	-	7.5	7.5
Propane	4.2	0.7	5.8	0.2	-	10.9	10.9
Distillates	0.8	1.5	27.2	48.3	0.2	78.0	77.8
Other	0.1	0.3	9.2	1.9	-	11.5	11.5
Nuclear	-	-	-	-	72.7	72.7	-
Hydro	-	-	-	-	10.4	10.4	-
Total Primary	55.1	36.3	88.8	152.7	244.3	577.2	-
Electric Sales	24.3	22.9	17.2	0.0	-	-	64.4
Net Interstate Sales	-	-	-	-	-35.1	-35.1	-
Total Net End Use	79.4	59.2	106.0	152.7	-	-	397.3
Electric System Losses	54.6	51.4	38.8	0.0	-	-	144.8
Total End Use	134.0	110.6	144.8	152.7	-	542.1	542.1

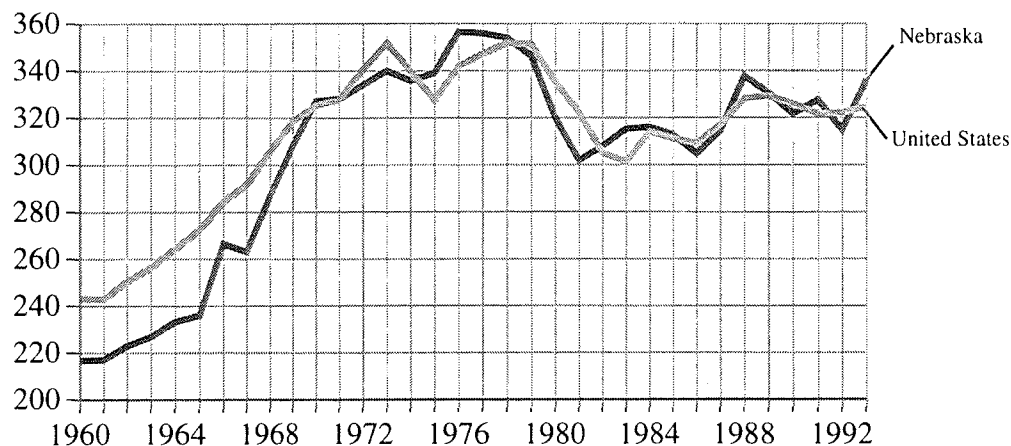
Source: *State Energy Data Report, Consumption Estimates, 1960-1992*. Energy Information Administration, U. S. Department of Energy. Washington, D.C. May, 1994. 1993 Preliminary Estimates. Nebraska Energy Office.
 Note: * represents less than 0.05 trillion Btu.

In 1993, per capita energy consumption in Nebraska increased 6.7% from 1992 to 336.1 million Btus. This compares to peak per capita consumption of 356.6 million Btus in 1976. Also, per capita consumption in 1993 was 3.5% higher than the 324.8 million Btus per capita for the United States.

Figure 4

Per Capita Energy Consumption, Nebraska and United States, 1960-1993

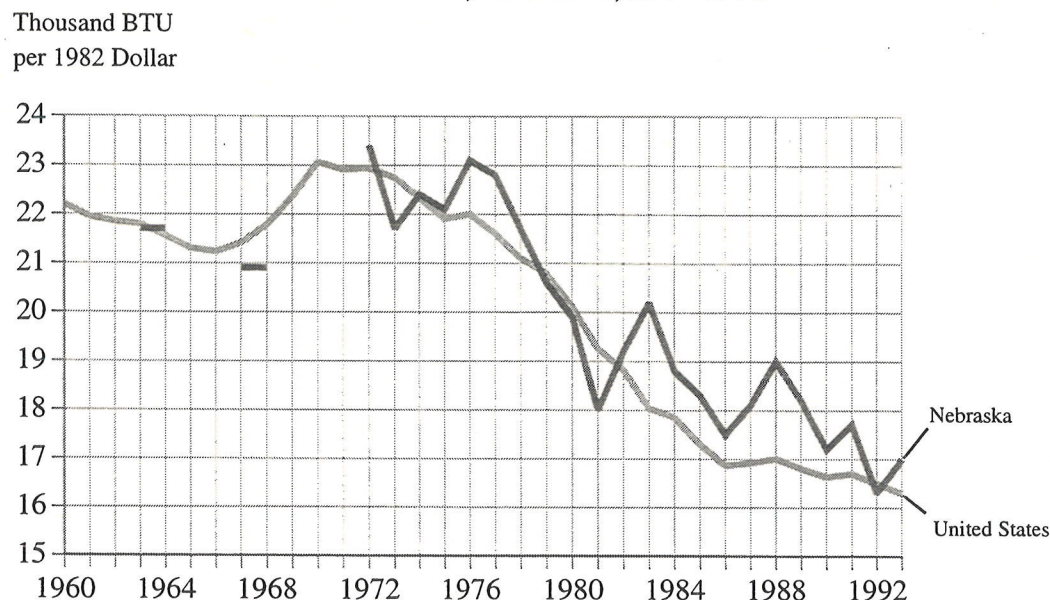
Million BTU



Nebraska			United States	
Total	Energy Consumption (Trillion Btus)	Per Capita Consumption (Million Btus)	Total Energy Consumption (Trillion Btus)	Per Capita Consumption (Million Btus)
1960	305.9	216.8	43,794.6	243.3
1961	313.1	217.1	44,455.2	242.9
1962	325.7	223.1	46,530.6	250.5
1963	333.5	226.9	48,341.8	256.5
1964	345.7	233.3	50,507.0	264.2
1965	347.3	236.1	52,696.9	272.3
1966	388.0	266.5	55,670.4	284.6
1967	383.5	263.2	57,591.1	291.7
1968	421.0	287.0	60,999.6	305.9
1969	454.3	308.2	64,173.9	318.7
1970	485.8	327.1	66,334.1	326.3
1971	494.5	327.9	67,788.6	327.8
1972	507.1	334.1	71,275.3	340.6
1973	520.0	340.1	74,351.5	351.8
1974	516.5	335.8	72,527.6	340.0
1975	523.2	339.1	70,569.3	327.5
1976	552.3	356.6	74,392.4	341.9
1977	554.4	356.1	76,317.2	347.3
1978	553.8	354.1	78,158.4	351.9
1979	542.6	346.3	78,920.4	351.4
1980	502.7	320.2	75,985.3	335.4
1981	475.8	301.9	74,022.2	322.3
1982	486.9	308.0	70,806.3	305.2
1983	499.6	315.4	70,486.1	300.9
1984	502.5	316.2	74,084.7	313.3
1985	495.9	312.9	74,053.8	310.2
1986	480.0	305.0	74,289.6	308.1
1987	492.6	314.4	76,840.0	315.7
1988	531.4	338.3	80,269.4	326.6
1989	520.7	330.6	81,316.9	327.6
1990	507.9	321.9	81,142.6	326.3
1991	522.0	327.7	81,098.8	321.6
1992	505.8	314.9	82,128.2	322.0
1993	542.1	336.1	83,893.0	324.8

Sources: *State Energy Data Report, Consumption Estimates, 1960-1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. May 1994. *Annual Energy Review, 1993*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. June 1994. *Statistical Abstract of the United States, 1993*. U.S. Department of Commerce, Bureau of the Census. Washington, D.C. December 1993.
1993 Nebraska Preliminary Estimates. Nebraska Energy Office.

Figure 5
**Consumption per Constant Dollar of Gross Domestic Product, U.S. and
 Gross State Product, Nebraska, 1960-1993**



Nebraska			United States		
Total Energy Consumption (Trillion Btu)		Consumption per Gross State Product (1)	Total Energy Consumption (Trillion Btu)		Consumption per Gross Domestic Product (1)
1960	305.9	*	43,794.6		22.2
1961	313.1	*	44,455.2		21.9
1962	325.7	*	46,530.6		21.8
1963	333.5	21.7	48,341.8		21.8
1964	345.7	*	50,507.0		21.6
1965	347.3	*	52,696.9		21.3
1966	388.0	*	55,670.4		21.2
1967	383.5	20.9	57,591.1		21.4
1968	421.0	*	60,999.6		21.8
1969	454.3	*	64,173.9		22.4
1970	485.8	*	66,334.1		23.1
1971	494.5	*	67,788.6		22.9
1972	507.1	23.4	71,275.3		22.9
1973	520.0	21.7	74,351.5		22.7
1974	516.5	22.4	72,527.6		22.3
1975	523.2	22.1	70,569.3		21.9
1976	552.3	23.1	74,392.4		22.0
1977	554.4	22.8	76,317.2		21.6
1978	553.8	21.7	78,158.4		21.1
1979	542.6	20.6	78,920.4		20.8
1980	502.7	19.9	75,985.3		20.1
1981	475.8	18.0	74,022.2		19.3
1982	486.9	19.2	70,806.3		18.8
1983	499.6	20.2	70,486.1		18.0
1984	502.5	18.8	74,084.7		17.9
1985	495.9	18.3	74,053.8		17.3
1986	480.0	17.5	74,289.6		16.9
1987	492.6	18.1	76,840.0		16.9
1988	531.4	19.0	80,269.4		17.0
1989	520.7	18.2	81,316.9		16.8
1990	507.9	17.2	81,142.6		16.6
1991	522.0	17.7	81,098.8		16.7
1992	505.8	16.3	82,128.2		16.5
1993	542.1	17.0	83,893.0		16.3

Sources: *State Energy Data Report, Consumption Estimates, 1960-1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. May 1994. *Annual Energy Review, 1993*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. July 1994. *Survey of Current Business*. Bureau of Economic Analysis. U.S. Department of Commerce. Washington, D.C. May 1988. 1993 Nebraska Preliminary Estimates. Nebraska Energy Office.

Notes: (1) Thousand Btu per 1987 dollar. 1987 dollars calculated using the implicit price deflators.

* = not available

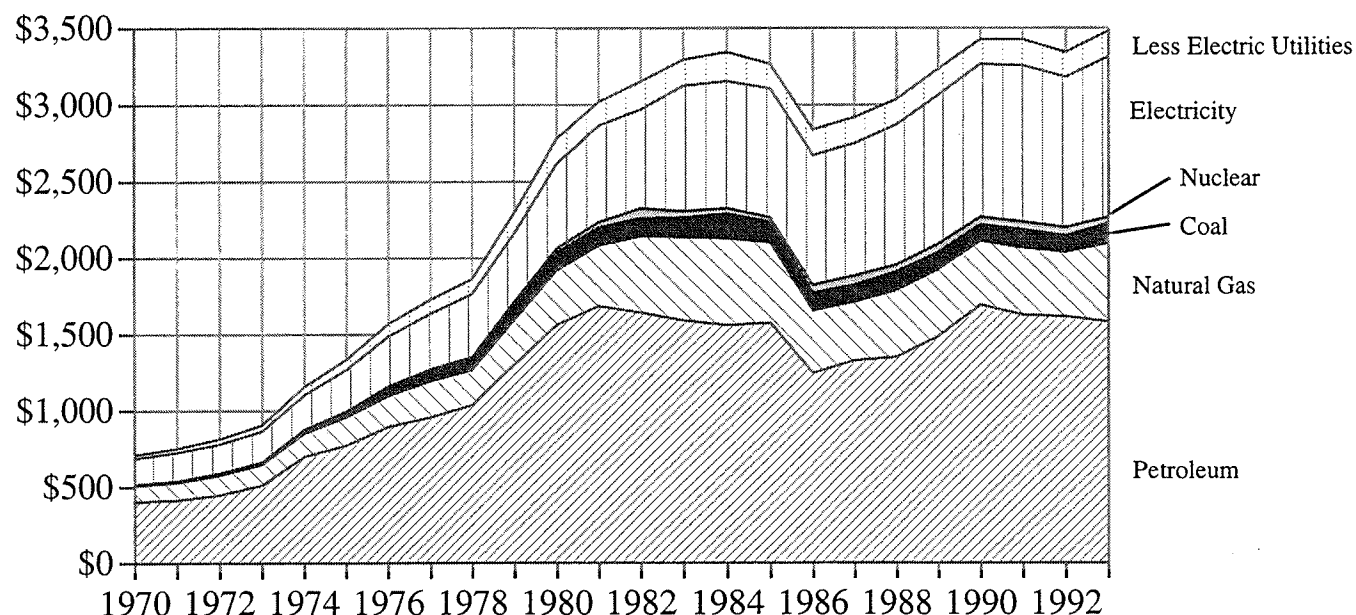
Total Energy Expenditures

Expenditures on energy for 1993 were \$3,145.8 million (\$3.146 billion), an increase of 4.0% from 1992. Only expenditures for nuclear fuel and petroleum decreased in 1993, down 20.3% and 2.1% respectively from 1992. Expenditures in 1993 for electricity, coal, and natural gas all increased over 1992 levels by 6.3, 18.4 and 22.4 percent, respectively.

Figure 6
Total Expenditures, Nebraska, 1970-1993

The cost of fuels used by electric utilities for the generation and transmission of electricity account for the difference between total expenditures and the sum of expenditures for each type of energy.

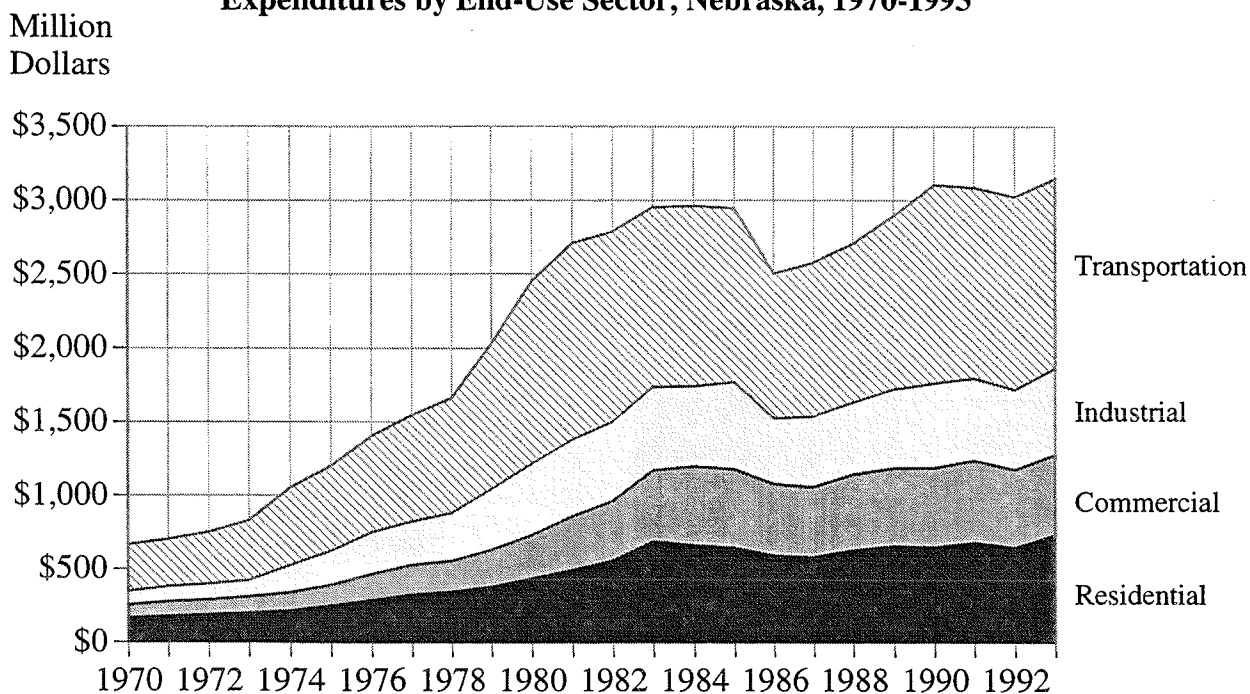
Million Dollars



	Petroleum	Natural Gas	Coal	Nuclear	Primary Total	Less Electric Utilities	Electricity	Total
1970	\$404.8	\$104.1	\$9.6	\$0.0	\$518.6	\$22.3	\$170.3	\$666.6
1971	414.8	115.7	10.8	0.0	541.3	24.9	187.8	704.2
1972	447.9	130.7	13.6	0.0	592.2	32.8	191.9	751.3
1973	513.9	134.4	16.0	1.1	665.4	39.5	203.7	829.6
1974	702.2	150.9	19.6	7.0	879.7	53.2	226.0	1,052.5
1975	775.1	184.3	28.4	11.0	998.7	68.1	271.2	1,201.8
1976	896.3	200.6	51.4	12.9	1,161.2	82.2	326.6	1,405.6
1977	959.6	236.1	63.8	16.0	1,275.5	92.6	363.4	1,546.3
1978	1,038.6	227.2	70.8	16.6	1,353.2	99.7	412.0	1,665.5
1979	1,304.2	291.2	94.1	27.5	1,717.0	133.8	447.6	2,030.8
1980	1,564.1	354.1	119.4	27.7	2,065.3	164.7	550.6	2,451.2
1981	1,685.7	395.7	119.0	36.3	2,236.7	154.8	628.9	2,710.8
1982	1,643.7	499.6	117.7	66.2	2,327.1	181.3	644.5	2,790.4
1983	1,593.3	542.5	131.1	41.1	2,308.0	169.7	816.8	2,955.1
1984	1,560.5	567.2	164.0	35.5	2,327.2	191.7	826.9	2,962.4
1985	1,576.8	523.7	135.5	29.3	2,265.3	158.7	841.2	2,947.8
1986	1,246.1	408.4	118.5	52.8	1,825.8	167.8	846.3	2,504.4
1987	1,328.1	383.6	114.1	59.0	1,884.7	169.4	864.2	2,579.5
1988	1,351.1	439.0	121.7	46.5	1,958.3	166.5	914.0	2,705.8
1989	1,488.0	436.6	112.7	56.3	2,093.7	168.9	972.0	2,896.8
1990	1,694.9	415.4	110.2	49.3	2,269.7	161.1	996.0	3,104.7
1991	1,629.0	438.4	118.4	53.4	2,239.2	169.5	1,019.0	3,088.7
1992	1,618.3	418.8	110.2	53.6	2,201.0	159.2	982.0	3,023.8
1993	\$1,584.4	\$512.7	\$130.5	\$42.7	\$2,270.2	\$168.1	\$1,043.7	\$3,145.8

Sources: State Energy Price and Expenditure Report: 1992. Energy Information Administration, U.S. Department of Energy. Washington, D.C. September 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

Figure 7
Expenditures by End-Use Sector, Nebraska, 1970-1993



	Residential	Commercial	Industrial	Transportation	Total
1970	\$167.4	\$89.9	\$92.3	\$317.0	\$666.6
1971	178.4	100.4	101.6	323.9	704.2
1972	189.3	103.1	105.7	353.2	751.3
1973	200.4	110.2	111.9	407.1	829.6
1974	214.1	125.4	185.4	527.6	1,052.5
1975	249.4	143.1	230.9	578.3	1,201.8
1976	286.2	180.1	286.2	653.2	1,405.6
1977	323.7	203.9	296.8	721.9	1,546.3
1978	344.3	211.7	327.2	782.2	1,665.5
1979	377.7	254.3	412.3	986.6	2,030.8
1980	433.0	298.5	486.6	1,233.1	2,451.2
1981	493.4	367.5	520.5	1,329.4	2,710.8
1982	558.4	407.1	539.4	1,285.6	2,790.4
1983	687.2	487.8	563.2	1,216.8	2,955.1
1984	662.4	538.3	543.0	1,218.7	2,962.4
1985	643.2	538.2	589.9	1,176.5	2,947.8
1986	592.6	487.3	446.1	978.4	2,504.4
1987	580.5	479.5	479.4	1,040.1	2,579.5
1988	629.1	516.1	488.3	1,072.3	2,705.8
1989	657.8	532.1	534.1	1,172.8	2,896.8
1990	648.4	541.9	572.2	1,342.2	3,104.7
1991	680.7	561.8	556.3	1,289.9	3,088.7
1992	645.9	533.4	542.7	1,301.8	3,023.8
1993	\$733.3	\$548.0	\$584.2	\$1,280.3	\$3,145.8

Sources: *State Energy Price and Expenditures Report: 1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. September 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

Figure 8
Expenditures by Fuel Type and Consuming Sector, Nebraska, 1991, 1992 and 1993
(Million Dollars)

1991 Fuel Type	Residential	Commercial	Industrial	Transportation	Electric Utilities	1991 Total Expenditures
Coal	\$0.3	\$0.2	\$9.4	\$0.0	\$108.5	\$118.4
Natural Gas	207.3	155.9	68.3	0.0	6.8	438.3
Petroleum	38.1	16.6	283.5	1,289.9	0.8	1,628.9
Motor Gas	0.0	5.0	46.6	830.2	0.0	881.8
Aviation Fuel	0.0	0.0	0.0	36.8	0.0	36.8
Propane	30.7	6.5	50.0	1.9	0.0	89.1
Distillates	7.2	4.7	136.1	391.2	0.7	539.9
Other	0.2	0.4	50.8	29.8	0.0	81.2
Nuclear	-	-	-	-	53.4	53.4
Total Primary	245.7	172.7	361.2	1,289.9	169.5	2,239.0
Less Utility	-	-	-	0.0	-169.5	-169.5
Electric Expenditures	435.0	389.0	195.0	0.0	-	1,019.0
Total Expenditures	\$680.7	\$561.7	\$556.2	\$1,289.9	\$0.0	\$3,088.5

1992 Fuel Type	Residential	Commercial	Industrial	Transportation	Electric Utilities	1992 Total Expenditures
Coal	\$0.1	\$0.1	\$9.4	\$0.0	\$100.6	\$110.2
Natural Gas	199.6	137.6	77.2	0.0	4.3	418.7
Petroleum	35.1	17.7	263.1	1,301.8	0.7	1,618.4
Motor Gas	0.0	4.4	39.4	814.0	0.0	857.8
Aviation Fuel	0.0	0.0	0.0	34.2	0.0	34.2
Propane	30.0	6.2	48.0	1.3	0.0	85.5
Distillates	4.7	6.6	134.6	417.1	0.7	563.7
Other	0.4	0.5	41.1	35.2	0.0	77.2
Nuclear	-	-	-	-	53.6	53.6
Total Primary	234.8	155.4	349.7	1,301.8	159.2	2,200.9
Less Utility	-	-	-	-	-159.2	-159.2
Electric Expenditures	411.0	378.0	193.0	0.0	-	982.0
Total Expenditures	\$645.8	\$533.4	\$542.7	\$1,301.8	\$0.0	\$3,023.7

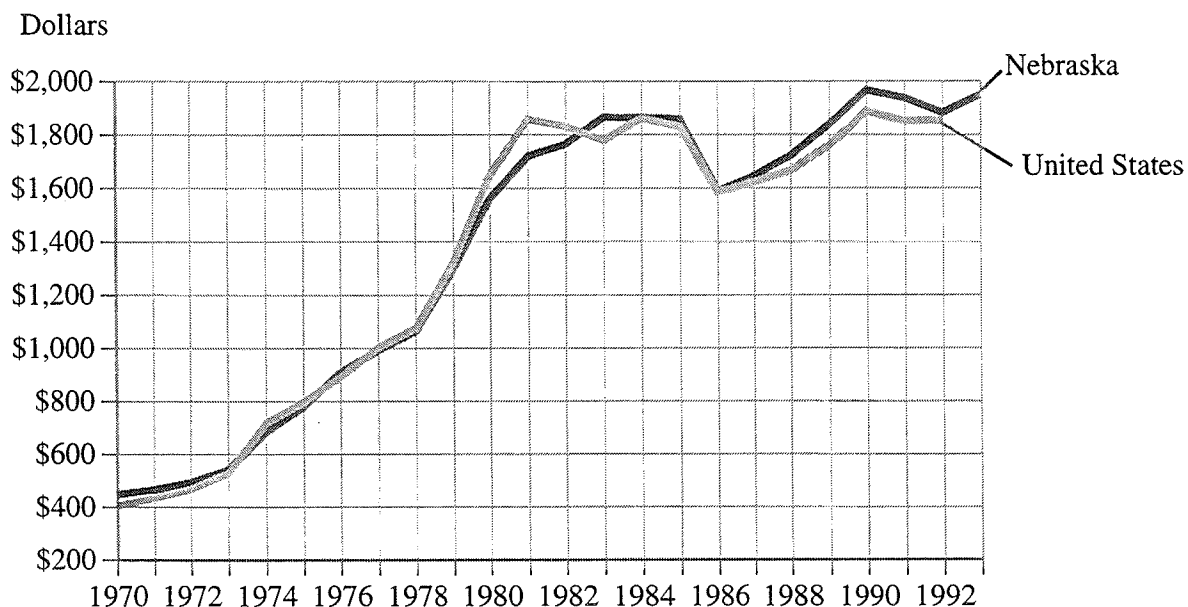
1993 Fuel Type	Residential	Commercial	Industrial	Transportation	Electric Utilities	1993 Total Expenditures
Coal	\$0.2	\$0.1	\$10.8	\$0.0	\$119.4	\$130.5
Natural Gas	249.2	144.6	114.0	0.0	5.0	512.8
Petroleum	33.1	16.8	252.9	1,280.3	1.1	1,584.2
Motor Gas	0.0	4.4	39.6	824.4	0.0	868.4
Aviation Fuel	0.0	0.0	0.0	34.3	0.0	34.3
Propane	28.4	5.8	45.4	1.3	0.0	80.9
Distillates	4.3	6.1	124.4	385.9	1.1	521.8
Other	0.4	0.5	43.5	34.4	0.0	78.8
Nuclear	-	-	-	-	42.7	42.7
Total Primary	282.5	161.5	377.7	1,280.3	168.2	2,270.2
Less Utility	-	-	-	-	-168.2	-168.2
Electric Expenditures	450.8	386.5	206.5	0.0	-	1,043.8
Total Expenditures	\$733.3	\$548.0	\$584.2	\$1,280.3	\$0.0	\$3,145.8

Sources: *State Energy Price and Expenditures Report, 1992*. Energy Information Administration, U. S. Department of Energy, Washington, D.C. September, 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

Per capita expenditures on energy in Nebraska increased by more than \$67 to \$1,950.28 in 1993 from \$1,882.81 in 1992.

Figure 9

Per Capita Expenditures, Nebraska and United States, 1970-1993

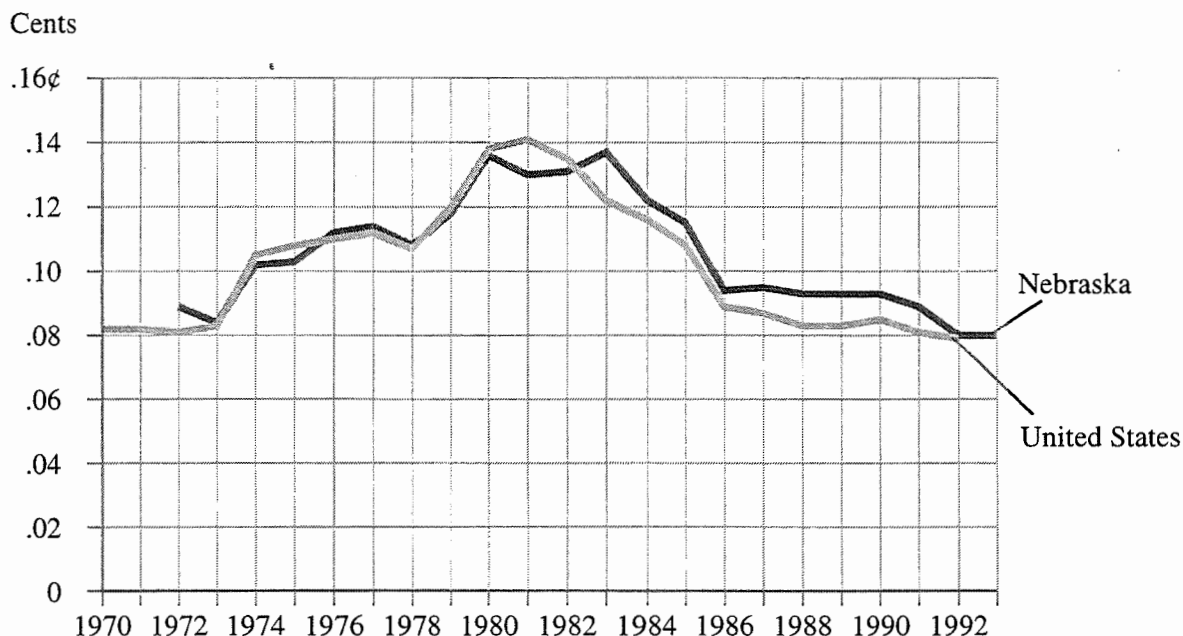


	Nebraska		United States	
	Total Expenditures (Millions of Dollars)	Per Capita Expenditures (Dollars)	Total Expenditures (Millions of Dollars)	Per Capita Expenditures (Dollars)
1970	\$666.6	\$448.89	\$82,579	\$406.19
1971	704.2	466.98	89,898	434.65
1972	751.3	494.93	97,910	467.83
1973	829.6	542.58	111,730	528.63
1974	1,052.5	684.33	153,288	718.51
1975	1,201.8	778.87	171,784	797.27
1976	1,405.6	907.42	193,837	890.95
1977	1,546.3	993.13	220,404	1,002.93
1978	1,665.5	1,064.90	239,096	1,076.55
1979	2,030.8	1,295.98	297,343	1,324.07
1980	2,451.2	1,561.27	373,901	1,650.44
1981	2,710.8	1,720.05	426,706	1,858.18
1982	2,790.4	1,764.96	425,259	1,833.04
1983	2,955.1	1,865.59	416,036	1,775.78
1984	2,962.4	1,864.32	439,292	1,857.65
1985	2,947.8	1,859.81	435,444	1,823.96
1986	2,504.4	1,591.11	381,250	1,581.25
1987	2,579.5	1,646.14	393,525	1,616.60
1988	2,705.8	1,722.34	407,597	1,658.35
1989	2,896.8	1,839.24	434,354	1,749.74
1990	3,104.7	1,967.49	469,420	1,887.42
1991	3,088.7	1,938.92	467,029	1,852.28
1992	3,023.8	1,882.81	\$472,756	\$1,853.38
1993	\$3,145.8	\$1,950.28	NA	NA

Sources: *State Energy Price and Expenditure Report, 1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. September 1994. *Statistical Abstract of the United States, 1993*. U.S. Department of Commerce, Bureau of the Census. Washington, D.C. December 1993. 1993 Preliminary Estimates. Nebraska Energy Office.

In 1993, expenditures on energy represented 8.0 cents of each dollar of gross state product, unchanged from 1992, the lowest level recorded.

Figure 10
Expenditures Per Constant Dollar of Gross Domestic Product, U.S.,
and Gross State Product, Nebraska, 1970-1993



	Nebraska		United States	
	Total Expenditures (Millions of Dollars)	Expenditures Per Dollar of GSP (Cents/Dollar)	Total Expenditures (Millions of Dollars)	Expenditures Per Dollar of GDP (Cents/Dollar)
1970	\$666.6	NA	\$82,579	8.2¢
1971	704.2	NA	89,898	8.2
1972	751.3	8.9¢	97,910	8.1
1973	829.6	8.4	111,730	8.3
1974	1,052.5	10.2	153,288	10.5
1975	1,201.8	10.3	171,784	10.8
1976	1,405.6	11.2	193,837	11.0
1977	1,546.3	11.4	220,404	11.2
1978	1,665.5	10.8	239,096	10.7
1979	2,030.8	11.8	297,343	12.0
1980	2,451.2	13.6	373,901	13.8
1981	2,710.8	13.0	426,706	14.1
1982	2,790.4	13.1	425,259	13.5
1983	2,955.1	13.7	416,036	12.2
1984	2,962.4	12.2	439,292	11.6
1985	2,947.8	11.5	435,444	10.8
1986	2,504.4	9.4	381,250	8.9
1987	2,579.5	9.5	393,525	8.7
1988	2,705.8	9.3	407,597	8.3
1989	2,896.8	9.3	434,354	8.3
1990	3,104.7	9.3	469,420	8.5
1991	3,088.7	8.9	467,029	8.1
1992	3,023.8	8.0	\$472,756	7.9¢
1993	\$3,145.8	8.0¢	NA	NA

Sources: *State Energy Price and Expenditure Report, 1992* Energy Information Administration, U.S. Department of Energy. Washington, D.C. September 1994. *Statistical Abstract of the United States, 1993*. U.S. Department of Commerce, Bureau of the Census. Washington, D.C. December 1993. *Survey of Current Business*. Bureau of Economic Analysis. U.S. Department of Commerce. Washington, D.C. May 1988. 1993 Preliminary Estimates. Nebraska Energy Office.

Energy Consumption, Prices and Expenditures by Consuming Sector

Overview

This section contains information on energy consumption, prices and expenditures for the residential, commercial, industrial, transportation, and electric utility sectors.

For the residential, commercial, and industrial sectors, a net total (less electrical system losses) is provided to indicate the energy actually consumed by these sectors. In addition, energy consumed in the generation, transmission, and distribution of electricity is allocated to each sector based on the electricity consumed by the sector. Thus, total consumption represents the energy consumed by the sector as well as that used to provide electricity to the sector.

Residential Sector

The residential sector consists of private households. Energy is consumed primarily for space heating, water heating, air conditioning, refrigeration, cooking, clothes drying, and lighting. Fuel used for motor vehicles by household members is included in the transportation sector.

Between 1992 and 1993, residential sector net energy use increased 16.1%, 15.9% below the peak recorded in 1972. Total energy attributed to the residential sector in 1993 increased 15.3% over 1992. Electricity use was up 8.5% from 1992, natural gas use was up 22.9% from 1992, and petroleum use was down 5.6% from 1992.

Figure 11
**Net Energy Consumption by Fuel Type,
Nebraska, 1993**
(Trillion Btu)

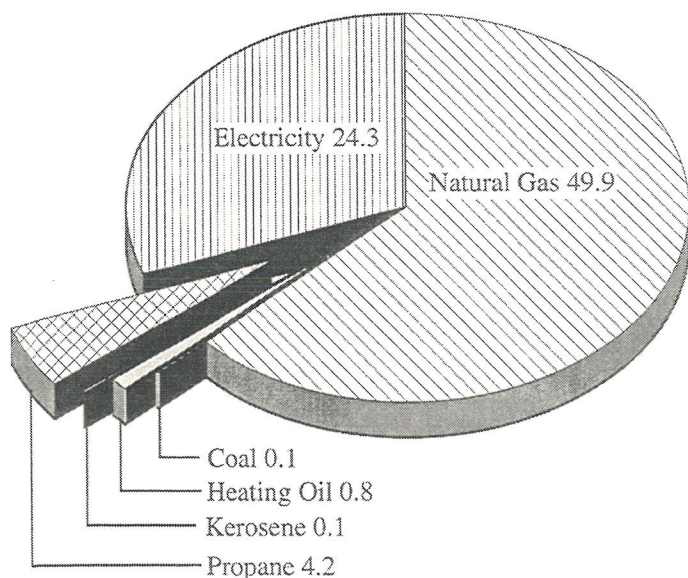
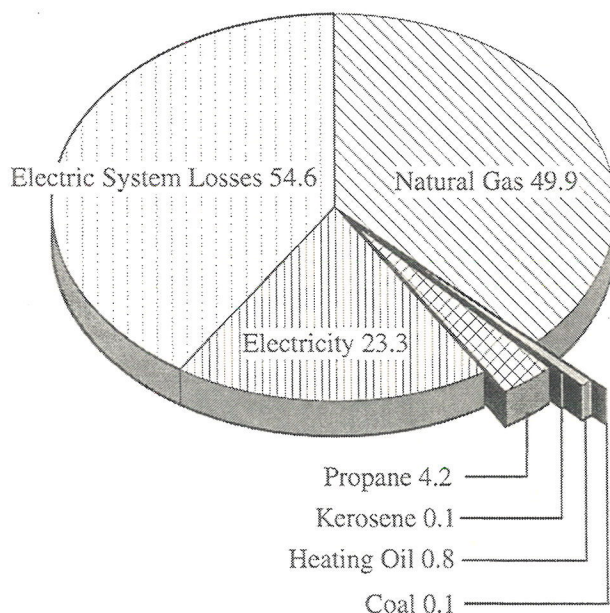
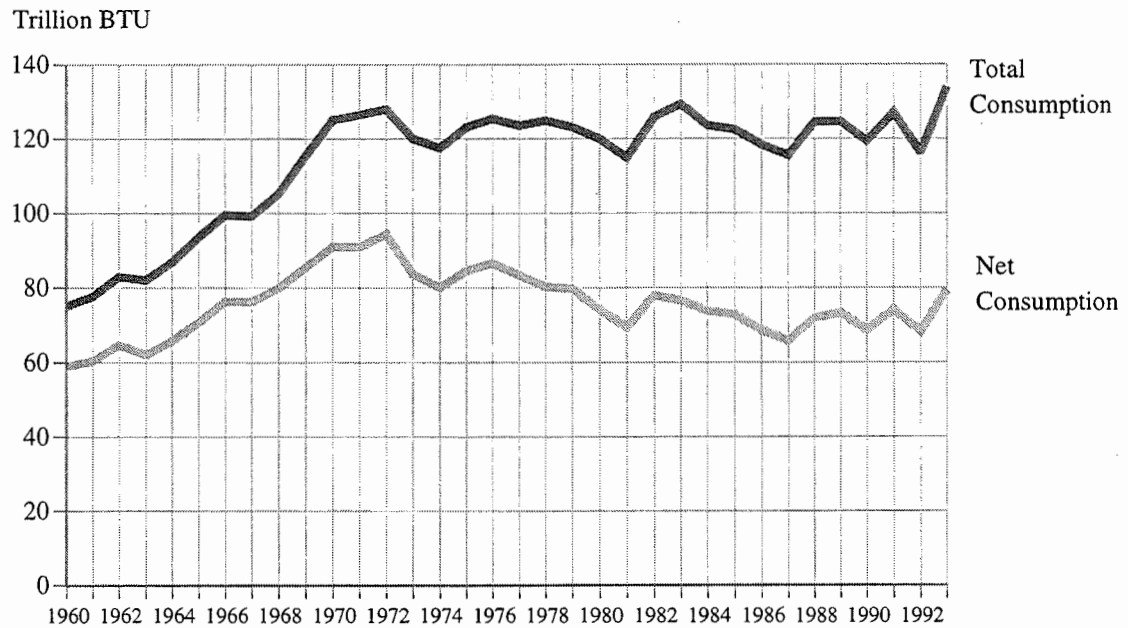


Figure 12
**Total Energy Consumption by Fuel Type,
Nebraska, 1993**
(Trillion Btu)



Total and Net Energy Consumption, Nebraska, 1960-1993



	Coal	Natural Gas	Heating Oil	Kerosene	Propane	Electricity	Net Consumption	Electric System Losses	Total Consumption
1960	1.6	40.9	0.8	1.9	7.2	6.5	58.9	16.2	75.1
1961	1.1	41.6	0.8	1.8	7.8	7.1	60.3	17.3	77.6
1962	1.1	44.7	0.8	1.9	8.7	7.6	64.7	18.2	83.0
1963	0.8	40.3	0.8	1.3	10.5	8.3	62.0	19.9	82.0
1964	0.6	44.7	0.9	1.3	9.4	8.9	65.8	21.2	86.9
1965	0.4	47.2	0.6	2.6	10.2	9.6	70.7	22.9	93.6
1966	0.3	52.7	0.9	2.0	10.7	9.7	76.3	23.3	99.6
1967	0.2	53.6	1.0	0.5	11.3	9.6	76.2	23.0	99.2
1968	0.3	53.3	1.0	2.5	12.4	10.6	79.9	25.2	105.2
1969	0.5	55.1	0.9	2.1	14.4	12.6	85.5	30.0	115.5
1970	0.3	58.8	1.1	2.1	14.7	14.0	91.0	34.0	125.0
1971	0.2	58.1	1.1	2.6	14.1	14.7	90.9	35.5	126.4
1972	0.3	60.9	1.3	3.0	15.0	13.9	94.4	33.5	127.9
1973	0.2	51.0	1.2	3.0	13.2	15.1	83.7	36.2	120.0
1974	0.1	49.8	1.1	2.3	11.4	15.4	80.0	37.5	117.5
1975	0.1	53.6	1.0	2.1	11.7	16.0	84.5	38.6	123.1
1976	0.1	54.8	1.5	2.4	11.8	16.1	86.6	38.8	125.4
1977	0.1	53.0	1.3	2.1	10.3	16.6	83.4	40.0	123.5
1978	0.1	48.2	1.5	1.6	10.5	18.2	80.3	44.6	124.9
1979	0.4	53.4	2.7	0.1	5.3	18.0	79.8	43.3	123.1
1980	0.1	47.9	2.1	0.1	5.2	18.8	74.2	45.8	120.0
1981	0.1	43.0	2.2	0.2	4.8	19.1	69.4	45.5	114.9
1982	0.2	50.4	2.1	0.2	5.2	19.9	78.0	47.9	125.9
1983	0.4	46.4	1.4	0.3	6.2	22.0	76.7	52.6	129.3
1984	0.7	46.9	1.6	0.4	2.8	21.4	73.7	49.8	123.5
1985	0.1	45.8	2.0	0.2	3.6	21.1	72.9	49.7	122.5
1986	0.0	42.0	1.6	0.1	3.2	21.6	68.6	49.6	118.3
1987	0.0	38.3	1.2	0.1	4.5	21.8	65.8	49.7	115.5
1988	0.3	42.8	1.2	0.1	4.4	23.2	71.9	52.6	124.5
1989	0.0	44.2	1.5	0.0	4.5	22.9	73.2	51.4	124.6
1990	0.0	40.8	1.0	0.0	3.5	23.2	68.6	50.7	119.3
1991	0.1	44.0	1.1	0.0	4.4	24.4	74.1	52.9	127.0
1992	0.1	40.6	0.8	0.1	4.5	22.4	68.4	47.8	116.2
1993	0.1	49.9	0.8	0.1	4.2	24.3	79.4	54.6	134.0

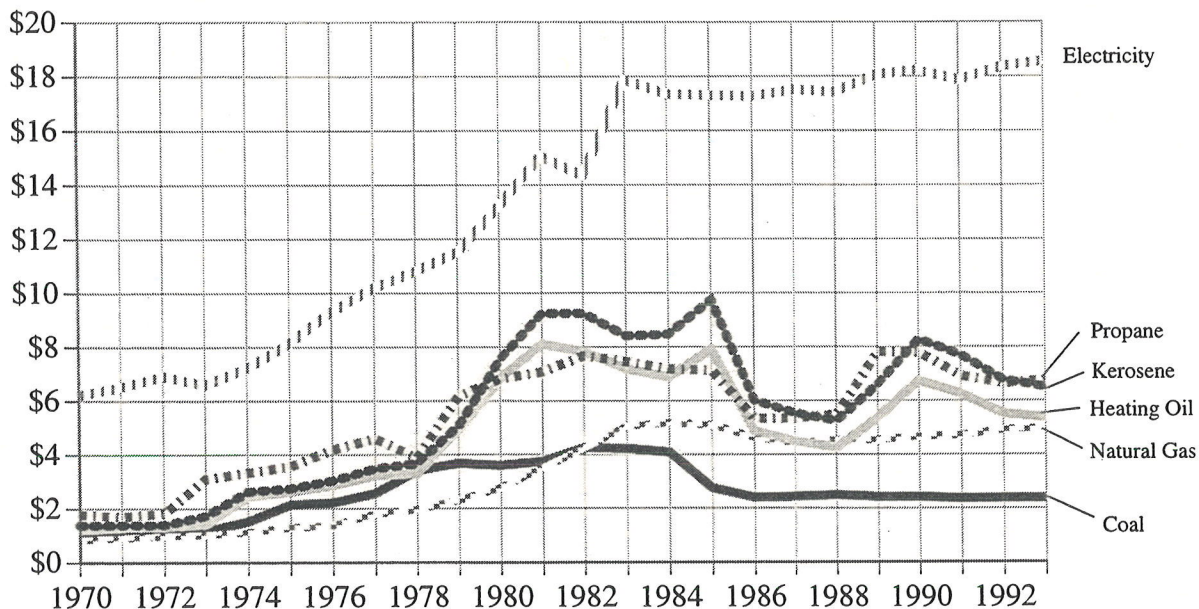
Sources: State Energy Data Report, Consumption Estimates, 1960-1992. Energy Information Administration, U.S. Department of Energy. Washington, D.C. May, 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

In 1993, average energy prices for the residential sector decreased 2.1% from the 1992 average energy price. Natural gas, propane, and electricity prices increased from 1992 levels. Heating oil and kerosene prices decreased from 1992 levels. Coal prices remained unchanged.

Figure 13

Prices by Fuel Type, Nebraska, 1970-1993

Dollars/Million Btus



Year	Coal	Natural Gas	Heating Oil	Kerosene	Propane	Electricity	Average
1970	\$1.08	\$0.84	\$1.19	\$1.39	\$1.78	\$6.21	\$1.84
1971	1.03	0.91	1.29	1.39	1.71	6.52	1.96
1972	1.10	0.98	1.30	1.40	1.82	6.92	2.01
1973	1.16	1.03	1.41	1.73	3.10	6.60	2.39
1974	1.52	1.13	2.43	2.63	3.33	7.22	2.68
1975	2.15	1.29	2.62	2.74	3.57	8.13	2.95
1976	2.22	1.37	2.86	3.04	4.18	9.32	3.30
1977	2.57	1.80	3.22	3.48	4.60	10.20	3.88
1978	3.42	1.97	3.30	3.69	3.87	10.81	4.29
1979	3.68	2.31	4.91	5.09	6.17	11.52	4.73
1980	3.60	2.78	6.85	7.55	6.82	13.22	5.83
1981	3.75	3.52	8.12	9.24	7.08	15.07	7.11
1982	4.26	4.24	7.84	9.24	7.67	14.34	7.16
1983	4.23	5.05	7.20	8.41	7.46	17.88	8.96
1984	4.09	5.18	6.89	8.47	7.18	17.35	8.79
1985	2.76	5.10	7.92	9.74	7.12	17.30	8.83
1986	2.40	4.62	4.88	6.00	5.34	17.27	8.64
1987	2.43	4.43	4.50	5.54	5.35	17.52	8.82
1988	2.49	4.53	4.27	5.25	5.48	17.42	8.75
1989	2.42	4.54	5.37	6.61	7.82	18.05	8.99
1990	2.42	4.67	6.74	8.28	7.79	18.23	9.45
1991	2.36	4.71	6.25	7.69	6.92	17.86	9.19
1992	2.39	4.92	5.52	6.78	6.65	18.36	9.44
1993	\$2.39	\$4.99	\$5.38	\$6.51	\$6.76	\$18.56	\$9.24

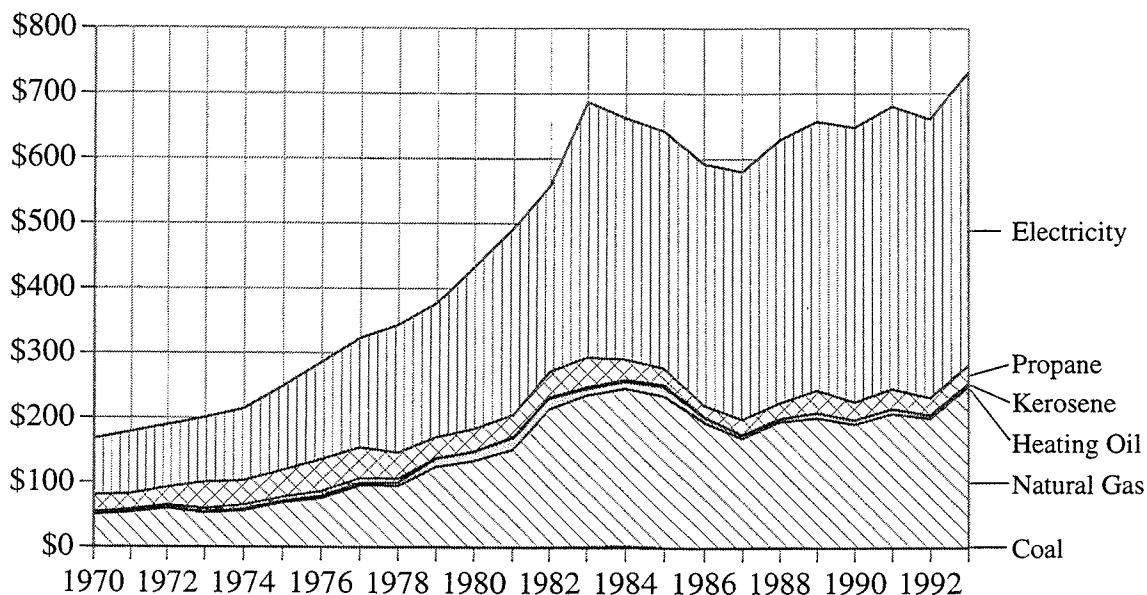
Sources: *State Energy Price and Expenditure Report, 1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. December 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

In 1993, total residential sector expenditures on energy increased 13.5% to \$733.3 million, 6.7% above the peak expenditures of \$687.2 million in 1983. Expenditures for coal, natural gas, and electricity increased in 1993. Expenditures for heating oil decreased and expenditures for kerosene remained the same as in 1992.

Figure 14

Expenditures by Fuel Type, Nebraska, 1970-1993

Million Dollars



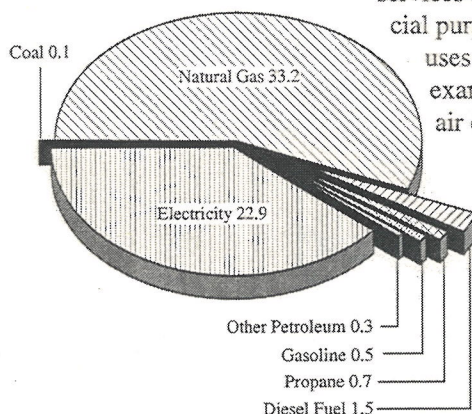
	Coal	Natural Gas	Heating Oil	Kerosene	Propane	Electricity	Total
1970	\$0.3	\$49.6	\$1.4	\$3.0	\$26.1	\$87.0	\$167.4
1971	0.2	53.2	1.4	3.6	24.1	95.9	178.4
1972	0.3	59.4	1.6	4.2	27.3	96.3	189.3
1973	0.2	52.4	1.7	5.3	40.9	99.9	200.4
1974	0.1	56.3	2.6	6.1	37.8	111.2	214.1
1975	0.1	68.9	2.6	5.8	41.7	130.3	249.4
1976	0.1	75.1	4.2	7.4	49.2	150.1	286.2
1977	0.3	95.1	4.3	7.4	47.5	169.1	323.7
1978	0.5	94.8	5.1	6.0	40.6	197.1	344.3
1979	1.4	123.3	13.0	0.7	32.4	206.8	377.7
1980	0.4	133.5	14.4	0.4	35.2	249.1	433.0
1981	0.4	151.5	18.2	1.5	33.8	288.0	493.4
1982	0.8	213.6	16.7	1.5	39.8	286.0	558.4
1983	1.8	234.1	10.4	2.2	46.1	392.7	687.2
1984	2.8	243.3	10.8	3.3	31.3	371.0	662.4
1985	0.3	233.9	15.7	2.2	25.6	365.5	643.2
1986	0.1	194.0	8.0	0.6	17.3	372.6	592.6
1987	0.1	169.5	5.3	0.4	23.9	381.4	580.5
1988	0.7	194.0	4.9	0.5	23.9	405.0	629.1
1989	0.1	200.7	7.8	0.3	34.8	414.0	657.8
1990	0.1	190.9	6.6	0.2	27.6	423.0	648.4
1991	0.3	207.3	7.2	0.2	30.7	435.0	680.7
1992	0.1	199.6	4.7	0.4	30.0	411.0	645.9
1993	\$0.2	\$249.2	\$4.3	\$0.4	\$28.4	\$450.8	\$733.3

Sources: *State Energy Price and Expenditure Report, 1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. December 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

Commercial Sector

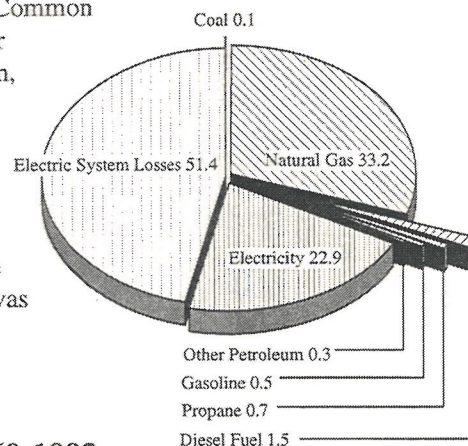
The commercial sector consists of nonmanufacturing business establishments, including hotels, motels, restaurants, wholesale businesses, retail stores, laundries and other service enterprises; health, social and educational institutions; and federal, state and local governments. Street lights, pumps, bridges and public services are included. Fuel used in motor vehicles for commercial purposes is included in the transportation sector. Common uses of energy in the commercial sector include, for example, space heating, water heating, refrigeration, air conditioning and cooking.

Figure 15
Net Energy Consumption by Fuel
Type, Nebraska, 1993
(Trillion Btu)



Over the last year, commercial net energy use increased 0.3% to 59.2 trillion Btus. Total energy in the sector increased 4.1% to 110.6 trillion Btus. Electricity use was up 4.1% over 1992. Natural gas use was down 1.8% to the lowest level since 1966. Petroleum use was down 6.3% from 1992.

Figure 16
Total Energy Consumption by Fuel
Type, Nebraska, 1993
(Trillion Btu)



Consumption by Fuel Type, Nebraska, 1960-1993

	Coal	Natural Gas	Diesel Fuel	Propane	Gasoline	Other Petroleum	Electricity	Net Total	Electric System Losses	Total
1960	3.0	22.7	0.8	1.3	0.4	0.7	4.3	33.2	10.8	43.9
1961	2.0	23.2	0.8	1.4	0.5	0.6	4.8	33.3	11.7	45.0
1962	2.1	22.4	0.8	1.5	0.5	0.9	5.4	33.5	13.0	46.6
1963	1.5	22.2	0.8	1.9	0.5	0.9	5.9	33.7	14.2	47.9
1964	1.0	23.9	0.9	1.7	0.5	1.0	6.4	35.3	15.2	50.5
1965	0.8	25.3	0.7	1.8	0.5	1.0	6.9	37.0	16.5	53.5
1966	0.6	29.8	0.9	1.9	0.5	1.5	6.8	42.0	16.3	58.4
1967	0.5	41.3	1.0	2.0	0.5	1.1	6.9	53.3	16.6	69.8
1968	0.5	41.7	1.0	2.2	0.5	2.1	8.7	56.6	20.7	77.4
1969	0.9	45.9	0.9	2.5	0.6	2.2	11.0	64.1	26.3	90.4
1970	0.5	47.2	1.1	2.6	0.6	1.9	12.0	65.9	29.0	94.9
1971	0.4	47.6	1.1	2.5	0.6	1.8	12.9	67.0	31.1	98.1
1972	0.5	46.2	1.3	2.6	0.6	1.9	12.8	65.9	30.8	96.7
1973	0.3	39.2	1.2	2.3	0.6	1.9	13.5	59.0	32.3	91.4
1974	0.2	42.6	1.1	2.0	0.6	1.9	13.1	61.5	31.9	93.4
1975	0.1	43.0	1.0	2.1	0.6	1.4	12.5	60.7	30.1	90.8
1976	0.1	48.5	1.5	2.1	0.7	2.4	13.0	68.3	31.4	99.7
1977	0.2	47.0	1.3	1.8	0.7	2.1	13.5	66.7	32.6	99.3
1978	0.3	40.8	1.6	1.9	0.7	1.6	13.5	60.3	33.1	93.4
1979	0.7	43.4	2.7	0.9	0.7	0.7	13.7	62.8	33.1	95.9
1980	0.2	42.5	1.1	0.9	0.8	0.2	13.9	59.6	33.8	93.4
1981	0.2	39.8	2.0	0.8	0.8	0.2	15.4	59.2	36.8	96.0
1982	0.3	42.2	1.7	0.9	0.7	0.7	15.9	62.5	38.2	100.7
1983	0.8	38.4	4.8	1.1	0.6	*	16.7	62.4	39.9	102.3
1984	1.3	41.1	5.2	0.5	0.5	0.1	19.3	67.9	44.8	112.7
1985	0.2	38.7	4.7	0.6	0.8	0.1	19.5	64.6	45.8	100.4
1986	0.1	36.1	1.9	0.6	0.7	0.1	19.8	59.3	45.5	104.8
1987	0.1	33.7	2.1	0.8	0.7	*	20.3	57.7	46.4	104.1
1988	0.5	38.7	1.7	0.8	0.7	0.1	21.6	64.2	48.9	113.1
1989	0.1	36.9	1.3	0.8	0.7	0.3	22.1	62.1	49.5	111.6
1990	0.1	35.9	1.4	0.6	0.8	0.2	22.0	61.1	48.1	109.2
1991	0.1	39.7	1.1	0.8	0.5	0.2	23.1	65.5	50.3	115.8
1992	0.1	33.8	1.6	0.8	0.5	0.3	22.1	59.0	47.1	106.2
1993	0.1	33.2	1.5	0.7	0.5	0.3	22.9	59.2	51.4	110.6

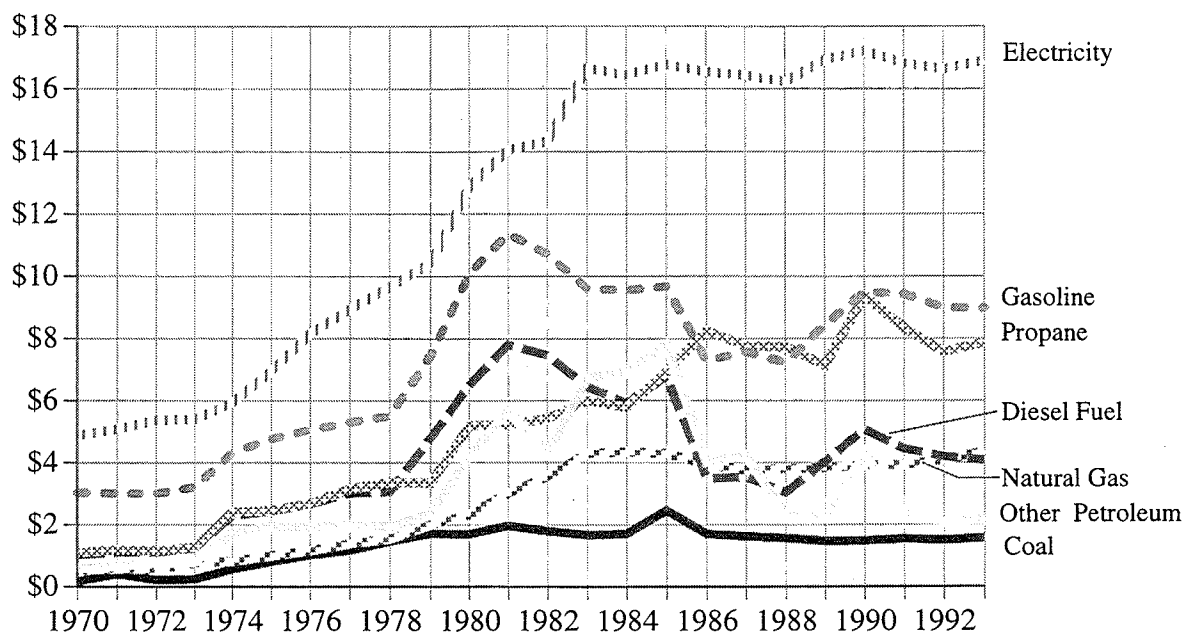
Sources: State Energy Data Report, Consumption Estimates, 1960-1992. Energy Information Administration, U.S. Department of Energy, Washington, D.C. May, 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

Notes: Other petroleum includes kerosene and residual fuel. * = Value less than 0.05 trillion Btu.

1993 commercial sector energy prices for natural gas, propane, and other petroleum products increased from 1992 levels. Prices decreased for diesel fuel, gasoline, and electricity.

Dollars per
Million Btus

Figure 17
Prices by Fuel Type, Nebraska, 1970-1993

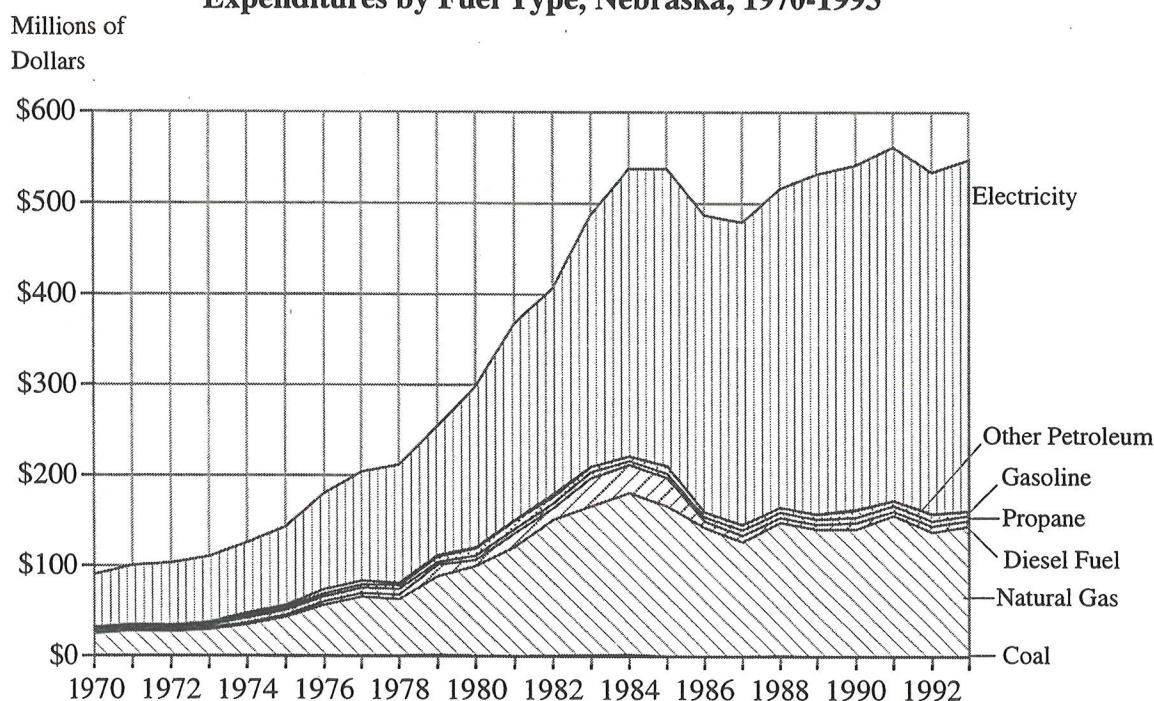


	Coal	Natural Gas	Diesel Fuel	Propane	Gasoline	Other Petroleum	Electricity	Average
1970	\$0.16	\$0.52	\$1.03	\$1.09	\$3.03	\$0.56	\$4.87	\$1.36
1971	0.41	0.58	1.11	1.18	3.00	0.66	5.08	1.50
1972	0.22	0.57	1.11	1.15	3.00	0.76	5.37	1.56
1973	0.24	0.75	1.25	1.28	3.21	0.77	5.39	1.87
1974	0.57	0.81	2.29	2.40	4.30	1.74	5.94	2.04
1975	0.81	1.00	2.45	2.46	4.76	1.93	6.96	2.36
1976	1.03	1.16	2.67	2.68	5.06	1.91	8.16	2.64
1977	1.17	1.39	3.01	3.16	5.30	2.00	8.94	3.06
1978	1.47	1.54	3.07	3.36	5.51	1.94	9.66	3.51
1979	1.72	2.01	4.80	3.35	7.45	2.38	10.48	4.05
1980	1.69	2.33	6.49	5.19	10.06	4.20	12.86	5.01
1981	1.97	3.02	7.80	5.24	11.37	5.69	14.06	6.21
1982	1.79	3.56	7.46	5.41	10.71	4.32	14.32	6.51
1983	1.67	4.29	6.45	6.01	9.61	6.74	16.66	7.82
1984	1.70	4.35	5.91	5.78	9.55	6.91	16.44	7.89
1985	2.46	4.29	6.79	6.92	9.67	7.81	16.78	8.34
1986	1.70	3.95	3.49	8.25	7.28	4.01	16.55	8.22
1987	1.63	3.76	3.54	7.76	7.58	4.24	16.43	8.31
1988	1.56	3.81	3.04	7.73	7.22	2.27	16.22	8.04
1989	1.47	3.82	4.03	7.13	8.42	2.21	16.93	8.57
1990	1.48	3.92	5.07	9.36	9.49	4.29	17.22	8.87
1991	1.54	3.93	4.44	8.34	9.43	2.35	16.82	8.57
1992	1.57	4.07	4.18	7.73	9.09	2.07	17.12	9.03
1993	\$1.57	\$4.35	\$4.07	\$7.86	\$8.96	\$2.15	\$16.90	\$9.26

Sources: *State Energy Price and Expenditure Report, 1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. September 1994. 1993 Preliminary Estimates. Nebraska Energy Office.
Note: Other petroleum includes kerosene and residual fuel.

Commercial energy expenditures increased 2.7% to \$548.0 million in 1993. Electricity and natural gas are the major expenditures in this sector. Electricity expenditures increased by 5.1% from 1992 levels.

Figure 18
Expenditures by Fuel Type, Nebraska, 1970-1993



	Coal	Natural Gas	Diesel Fuel	Propane	Gasoline	Other Petroleum	Electricity	Total
1970	\$0.1	\$24.7	\$1.2	\$2.8	\$1.7	\$1.1	\$58.3	\$89.9
1971	0.2	27.7	1.2	2.9	1.8	1.2	65.3	100.4
1972	0.1	26.5	1.4	3.0	1.9	1.4	68.7	103.1
1973	0.1	29.3	1.5	3.0	2.0	1.5	72.8	110.2
1974	0.1	34.3	2.4	4.8	2.7	3.4	77.6	125.4
1975	0.1	42.9	2.5	5.1	3.0	2.7	86.9	143.1
1976	0.1	56.2	3.9	5.6	3.4	4.6	106.3	180.1
1977	0.2	65.5	4.0	5.8	3.6	4.2	120.6	203.9
1978	0.4	62.6	4.8	6.2	3.9	3.0	130.7	211.7
1979	1.2	87.2	12.8	3.1	5.5	1.7	142.9	254.3
1980	0.4	99.1	6.8	4.7	7.9	1.1	178.5	298.5
1981	0.4	120.3	15.4	4.4	9.2	0.9	217.0	367.5
1982	0.6	150.2	13.0	5.0	7.3	3.1	227.9	407.1
1983	1.3	164.7	31.3	6.5	6.1	0.2	277.7	487.8
1984	2.1	179.0	30.9	4.5	4.8	0.4	316.6	538.3
1985	0.4	166.0	31.7	4.4	8.0	0.5	327.2	538.2
1986	0.1	142.8	6.8	4.7	5.4	0.2	327.3	487.3
1987	0.1	126.6	7.3	6.1	5.5	0.2	333.8	479.5
1988	0.8	147.7	5.3	6.0	5.1	0.3	351.0	516.1
1989	0.1	140.8	5.3	5.6	5.6	0.7	374.0	532.1
1990	0.1	140.8	7.3	5.9	7.7	1.1	379.0	541.9
1991	0.2	155.9	4.7	6.5	5.0	0.4	389.0	561.8
1992	0.1	137.6	6.6	6.2	4.4	0.6	378.0	533.4
1993	\$0.1	\$144.6	\$6.1	\$5.8	\$4.4	\$0.6	\$386.5	\$548.0

Sources: *State Energy Price and Expenditure Report, 1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. December 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

Note: Other petroleum includes kerosene and residual fuel.

Industrial Sector

The industrial sector consists of manufacturing, construction, mining, agriculture, and forestry organizations. Energy used by this sector to transport products to market or inputs to the organizations is included in the transportation sector.

In 1993, industrial sector net energy use increased by 9.6% from 1992. Total energy attributed to the industrial sector in 1993 increased 10.3% from 1992. Electricity use was up 6.2% from 1992, natural gas use was up 36.3% from 1992, coal use was up 15.0% from 1992, and petroleum use was down 3.9% from 1992.

Figure 19
Net Energy Consumption by Fuel Type, Nebraska, 1993
(Trillion Btu)

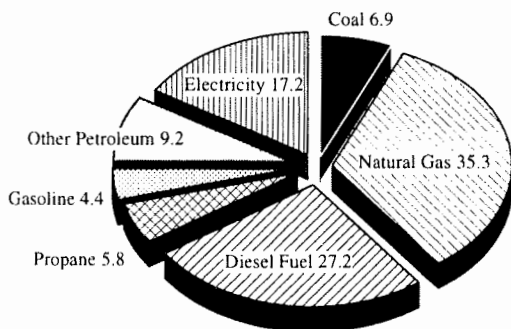
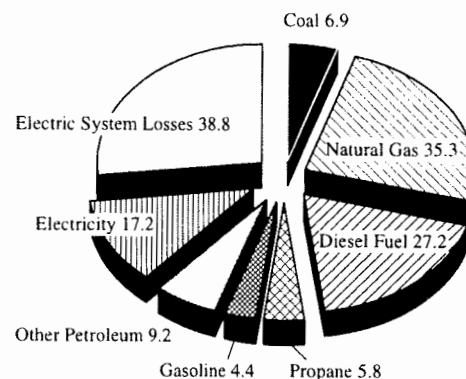


Figure 20
Total Energy Consumption by Fuel Type, Nebraska, 1993
(Trillion Btu)



Consumption by Fuel Type, Nebraska, 1960-1993

	Coal	Natural Gas	Diesel Fuel	Propane	Gasoline	Other Petroleum	Electricity	Net Total	Electric System Losses	Total
1960	9.0	38.3	14.0	1.8	11.3	7.9	3.0	85.1	7.5	92.7
1961	9.9	38.7	14.4	1.4	11.5	7.1	3.2	86.1	7.8	93.9
1962	10.3	42.0	12.2	1.2	11.0	6.9	3.3	86.9	8.0	95.0
1963	10.9	40.6	12.2	1.8	9.9	7.8	3.5	86.8	8.5	95.3
1964	9.8	46.5	14.0	1.5	10.0	6.7	3.7	92.2	8.9	101.1
1965	7.6	47.7	11.4	1.3	9.4	7.0	4.0	88.4	9.6	98.1
1966	8.5	64.7	15.6	2.0	8.9	8.0	4.3	112.1	10.2	122.4
1967	5.4	43.5	16.4	2.1	9.2	6.8	4.3	87.8	10.2	98.0
1968	3.4	49.5	17.4	2.4	7.9	7.7	5.9	94.5	14.2	108.7
1969	3.7	52.1	17.0	3.5	8.4	8.1	6.8	99.6	16.3	115.9
1970	4.9	56.9	19.1	3.1	6.9	10.7	7.3	108.9	17.7	126.7
1971	3.9	57.1	19.3	3.1	7.9	10.5	7.5	109.2	18.1	127.3
1972	4.4	57.6	20.6	4.1	6.5	9.3	7.2	109.7	17.3	127.0
1973	6.3	73.7	20.5	4.6	3.7	9.7	7.9	126.3	18.9	145.2
1974	6.4	72.1	19.3	5.4	8.5	10.3	8.9	130.7	21.7	152.4
1975	5.9	73.5	18.8	6.7	8.6	8.6	10.9	133.1	26.3	159.4
1976	11.6	64.7	25.9	9.5	8.4	7.7	12.1	139.9	29.1	169.0
1977	10.5	61.1	22.3	8.8	8.6	10.0	12.3	133.7	29.7	163.4
1978	10.7	52.3	26.5	6.8	8.5	13.3	12.9	131.0	31.6	162.6
1979	10.1	51.8	32.5	10.4	8.2	6.9	13.9	133.9	33.6	167.5
1980	5.2	50.9	19.9	9.8	7.7	6.4	14.2	113.9	34.5	148.4
1981	7.0	42.2	17.9	8.3	7.1	6.0	13.2	101.8	31.6	133.4
1982	6.1	36.4	19.5	10.6	6.3	6.4	11.8	97.1	28.4	125.4
1983	4.3	36.7	20.7	9.4	5.7	5.8	12.5	95.1	30.0	125.1
1984	5.4	37.9	22.3	4.1	5.0	5.4	12.7	93.0	29.6	122.6
1985	4.9	32.6	25.0	4.9	7.3	4.2	12.9	91.9	30.4	122.3
1986	6.3	20.3	24.8	5.0	6.2	10.4	12.8	85.9	29.5	115.4
1987	5.8	29.6	22.6	6.3	6.5	12.1	13.1	96.2	30.0	126.2
1988	5.0	31.8	25.3	7.5	5.6	12.8	14.0	102.1	31.7	133.8
1989	5.3	30.2	23.3	7.9	5.6	11.4	14.9	98.5	33.4	132.0
1990	4.5	25.4	24.1	6.2	5.0	13.2	15.8	94.0	34.4	128.4
1991	6.1	24.4	27.1	6.0	4.9	13.0	16.0	97.6	34.8	132.3
1992	6.0	25.9	28.6	6.2	4.3	9.4	16.2	96.7	34.6	131.3
1993	6.9	35.3	27.2	5.8	4.4	9.2	17.2	106.0	38.8	144.8

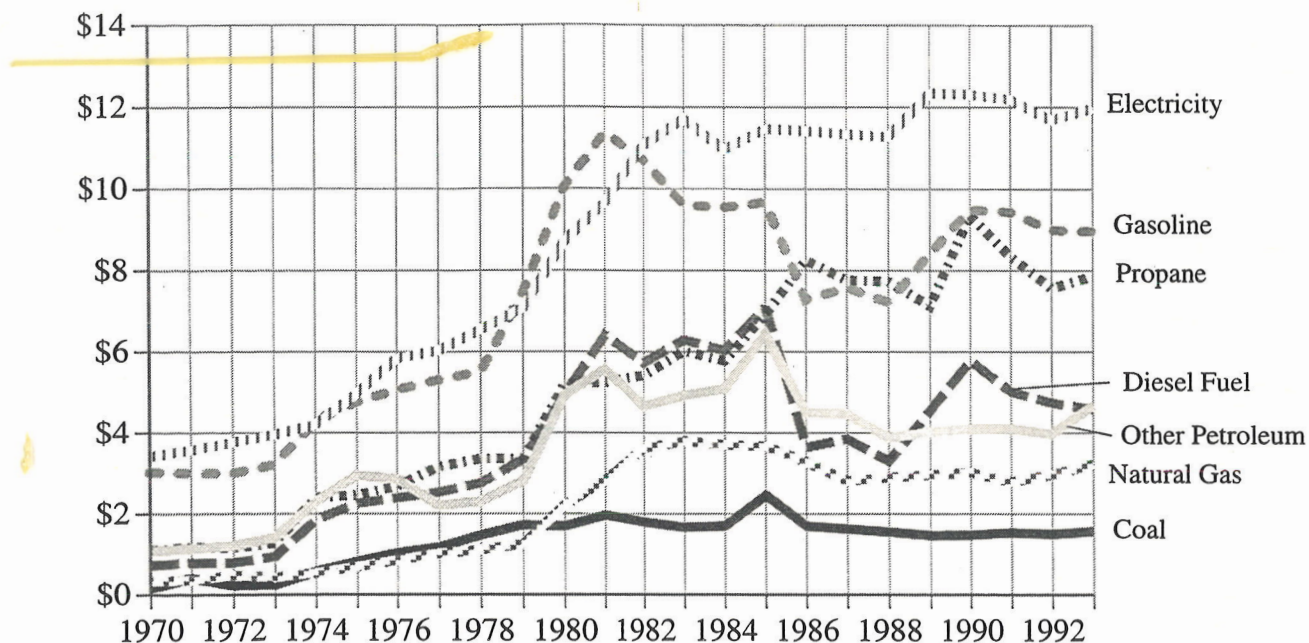
Sources: State Energy Data Report, Consumption Estimates, 1960-1992. Energy Information Administration, U.S. Department of Energy, Washington, D.C. May, 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

Note: Other petroleum includes asphalt, road oil, kerosene, lubricants, and residual fuel.

In 1993, energy prices paid by the industrial sector decreased for diesel fuel, gasoline, and other petroleum products. Prices increased for natural gas, propane, and electricity and the price of coal stayed the same as in 1992.

Figure 21
Prices by Fuel Type, Nebraska, 1970-1993

Dollars per Million Btu



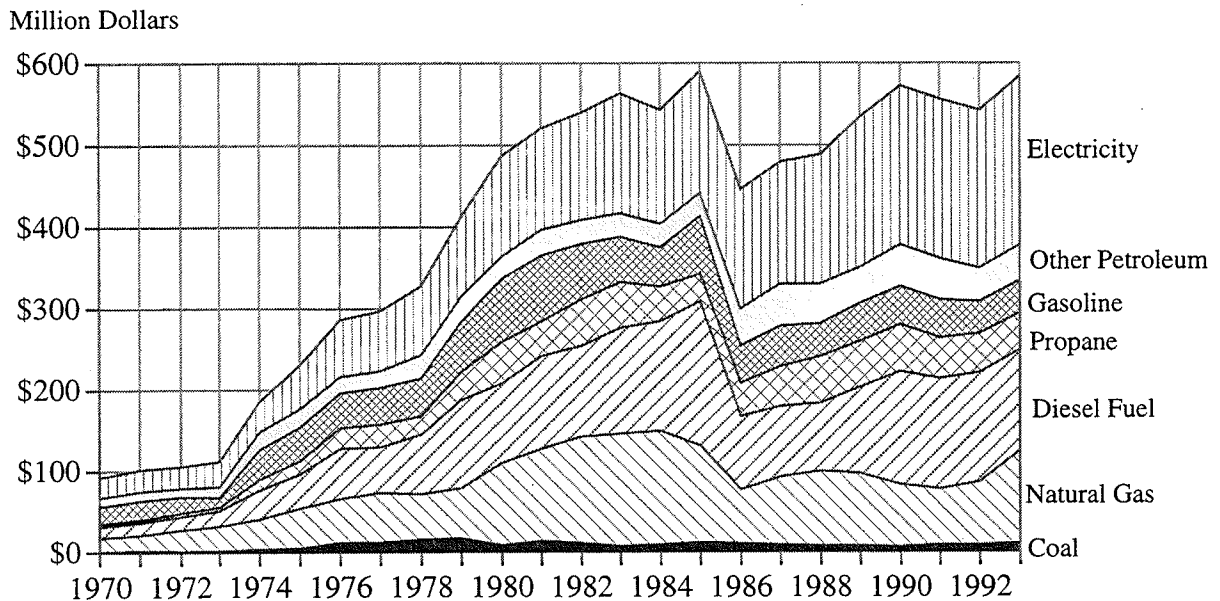
	Coal	Natural Gas	Diesel Fuel	Propane	Gasoline	Other Petroleum	Electricity	Average
1970	\$0.16	\$0.32	\$0.73	\$1.09	\$3.03	\$1.09	\$3.42	\$0.88
1971	0.41	0.36	0.79	1.18	3.00	1.14	3.57	0.97
1972	0.22	0.48	0.79	1.15	3.00	1.22	3.76	0.99
1973	0.24	0.43	0.94	1.28	3.21	1.41	3.95	0.92
1974	0.57	0.54	1.85	2.40	4.30	2.30	4.20	1.46
1975	0.81	0.69	2.25	2.46	4.76	2.96	4.96	1.77
1976	1.03	0.85	2.39	2.68	5.06	2.86	5.83	2.09
1977	1.17	1.02	2.53	3.16	5.30	2.19	6.02	2.27
1978	1.47	1.11	2.76	3.36	5.51	2.31	6.54	2.56
1979	1.72	1.26	3.34	3.35	7.45	2.82	7.07	3.05
1980	1.69	2.21	4.94	5.19	10.06	4.93	8.71	4.50
1981	1.97	2.84	6.40	5.24	11.37	5.57	9.66	5.30
1982	1.79	3.62	5.72	5.41	10.71	4.65	11.06	5.58
1983	1.67	3.79	6.29	6.01	9.61	4.92	11.71	5.95
1984	1.70	3.71	6.03	5.78	9.55	5.09	10.96	5.66
1985	2.46	3.67	7.09	6.92	9.67	6.43	11.47	6.42
1986	1.70	3.28	3.64	8.25	7.28	4.50	11.42	5.21
1987	1.63	2.81	3.85	7.76	7.58	4.47	11.34	5.00
1988	1.56	2.90	3.30	7.73	7.22	3.88	11.28	4.80
1989	1.47	2.96	4.56	7.13	8.42	4.03	12.34	5.44
1990	1.48	3.02	5.78	9.36	9.49	4.10	12.31	6.11
1991	1.54	2.80	5.02	8.34	9.43	4.11	12.19	5.72
1992	1.57	2.98	4.70	7.73	9.09	4.71	11.90	5.63
1993	\$1.57	\$3.23	\$4.58	\$7.86	\$8.96	\$4.68	\$11.98	\$5.51

Sources: *State Energy Price and Expenditure Report, 1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. December 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

Note: Other petroleum includes asphalt, road oil, kerosene, lubricants, and residual fuel.

Industrial sector expenditures on energy increased 7.6% in 1993 to \$584.2 million. This compares with peak expenditures of \$589.9 million in 1985.

Figure 22
Expenditures by Fuel Type, Nebraska, 1970-1993



	Coal	Natural Gas	Diesel Fuel	Propane	Gasoline	Other Petroleum	Electricity	Total
1970	\$0.8	\$17.0	\$14.0	\$3.4	\$21.0	\$11.2	\$25.0	\$92.3
1971	1.6	19.6	15.2	3.6	23.6	11.3	26.7	101.6
1972	1.0	26.5	16.2	4.6	19.5	11.0	26.8	105.7
1973	1.5	30.5	19.2	4.6	11.8	13.2	31.0	111.9
1974	3.6	37.2	35.7	13.1	36.4	22.2	37.2	185.4
1975	4.8	49.2	42.3	16.5	41.1	23.0	54.0	230.9
1976	12.0	53.8	62.0	25.3	42.8	20.2	70.2	286.2
1977	12.3	60.9	56.4	27.8	45.4	20.4	73.7	296.8
1978	15.8	55.9	73.2	22.7	46.7	28.8	84.2	327.2
1979	17.4	61.3	108.6	34.8	61.1	31.0	98.0	412.3
1980	8.7	101.1	98.1	51.0	77.7	27.1	123.0	486.6
1981	13.8	113.6	113.9	42.6	81.0	31.6	123.9	520.5
1982	11.0	131.1	111.8	57.2	67.8	29.8	130.7	539.4
1983	7.1	138.8	130.1	56.4	55.2	29.2	146.4	563.2
1984	9.2	140.1	134.8	42.5	48.2	28.9	139.3	543.0
1985	11.9	119.4	177.4	33.9	70.7	28.1	148.5	589.9
1986	10.6	66.3	90.4	41.0	45.5	45.8	146.4	446.1
1987	9.4	83.2	87.1	49.2	49.6	51.9	149.0	479.4
1988	7.8	92.1	83.5	57.6	40.4	48.9	158.0	488.3
1989	7.9	89.2	106.1	56.0	46.8	44.1	184.0	534.1
1990	6.6	76.5	139.3	57.7	47.1	50.9	194.0	572.2
1991	9.4	68.3	136.1	50.0	46.6	50.8	195.0	556.3
1992	9.4	77.2	134.6	48.0	39.4	41.1	193.0	542.7
1993	\$10.8	\$114.0	\$124.4	\$45.4	\$39.6	\$43.5	\$206.5	\$584.2

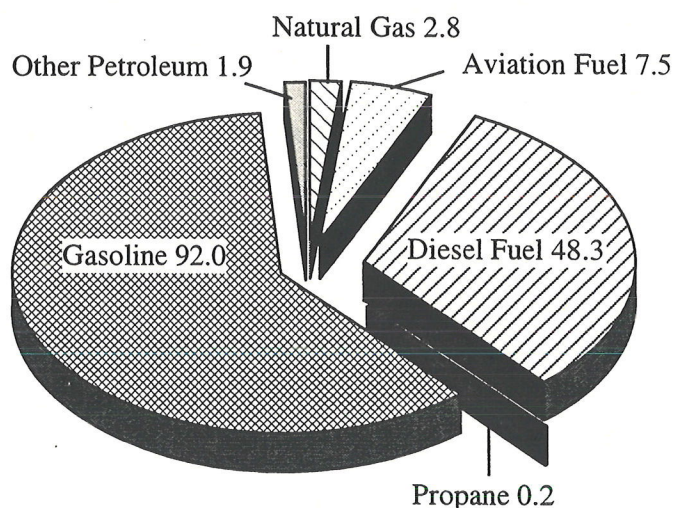
Sources: *State Energy Price and Expenditure Report, 1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. December 1994. 1993 Preliminary Estimates. Nebraska Energy Office.
Note: Other petroleum includes asphalt, road oil, kerosene, lubricants, and residual fuel.

Transportation Sector

The transportation sector consists of private and public vehicles that move people and commodities. Included are automobiles, trucks, buses, motorcycles, railroads, aircraft, ships, barges, and natural gas pipelines. Natural gas use reflects the fuel needed to move natural gas through a pipeline to end users in the residential, commercial, industrial, and electric utility sectors.

Transportation energy use in 1993 increased 0.4% to 152.7 trillion Btu from 152.1 trillion Btu in 1992. This compares with peak consumption of 172.9 trillion Btu in 1978.

Figure 23
Consumption by Fuel Type, Nebraska, 1993
(Trillion Btu)



Consumption by Fuel Type, Nebraska, 1960-1993
(Trillion Btu)

	Coal	Natural Gas	Aviation Fuel	Diesel Fuel	Propane	Gasoline	Other Petroleum	Total
1960	0.2	6.5	8.3	8.2	0.4	67.1	3.6	94.2
1961	*	6.8	9.1	9.5	0.4	66.6	4.1	96.6
1962	*	6.8	10.0	9.6	0.4	69.9	4.5	101.2
1963	*	6.5	10.2	11.0	0.5	73.1	7.1	108.4
1964	*	8.1	10.4	11.1	0.4	70.5	6.6	107.1
1965	*	8.6	9.5	8.4	0.4	72.8	2.5	102.2
1966	*	9.3	10.0	8.3	0.7	76.8	2.6	107.7
1967	*	10.2	11.8	11.6	0.9	78.3	3.7	116.4
1968	*	10.0	14.4	17.9	1.0	83.2	3.3	129.8
1969	*	11.4	12.4	18.4	1.0	86.0	3.2	132.4
1970	*	13.2	10.8	21.3	0.8	89.8	3.3	139.3
1971	*	13.3	10.9	22.0	0.9	92.5	3.0	142.8
1972	*	13.3	9.8	28.2	0.9	100.1	3.2	155.5
1973	*	13.8	10.0	30.0	0.9	105.7	3.1	163.5
1974	*	11.6	10.8	28.6	0.9	98.1	3.1	153.2
1975	*	10.4	9.9	26.9	0.9	99.1	2.7	149.9
1976	*	10.4	10.0	30.2	1.0	104.3	2.2	158.1
1977	*	12.3	10.7	37.0	0.8	105.3	2.3	168.3
1978	0.0	9.0	12.0	41.9	0.9	106.8	2.3	172.9
1979	0.0	7.0	11.4	35.9	0.6	98.6	2.5	156.1
1980	0.0	6.9	9.8	29.8	0.6	91.8	2.1	141.0
1981	0.0	6.0	9.1	25.2	0.8	88.4	2.0	131.5
1982	0.0	5.1	8.5	29.7	0.6	88.9	1.8	134.8
1983	0.0	4.0	8.7	39.8	0.7	87.7	1.9	142.9
1984	0.0	4.5	8.1	40.5	0.3	88.3	2.1	143.8
1985	0.0	5.5	7.9	40.1	0.2	85.0	1.9	140.6
1986	0.0	3.9	8.0	41.5	0.1	86.3	1.9	141.7
1987	0.0	4.4	8.0	45.6	0.2	86.5	2.1	146.7
1988	0.0	4.6	8.7	52.9	0.2	91.6	2.0	160.1
1989	0.0	4.8	8.7	46.1	0.2	90.5	2.1	152.4
1990	0.0	3.5	8.7	45.8	0.2	90.6	2.2	151.0
1991	0.0	2.3	7.0	46.4	0.2	88.0	1.9	145.9
1992	0.0	2.5	7.0	50.9	0.2	89.5	2.0	152.1
1993	0.0	2.8	7.5	48.3	0.2	92.0	1.9	152.7

Sources: *State Energy Data Report, Consumption Estimates, 1960-1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. May, 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

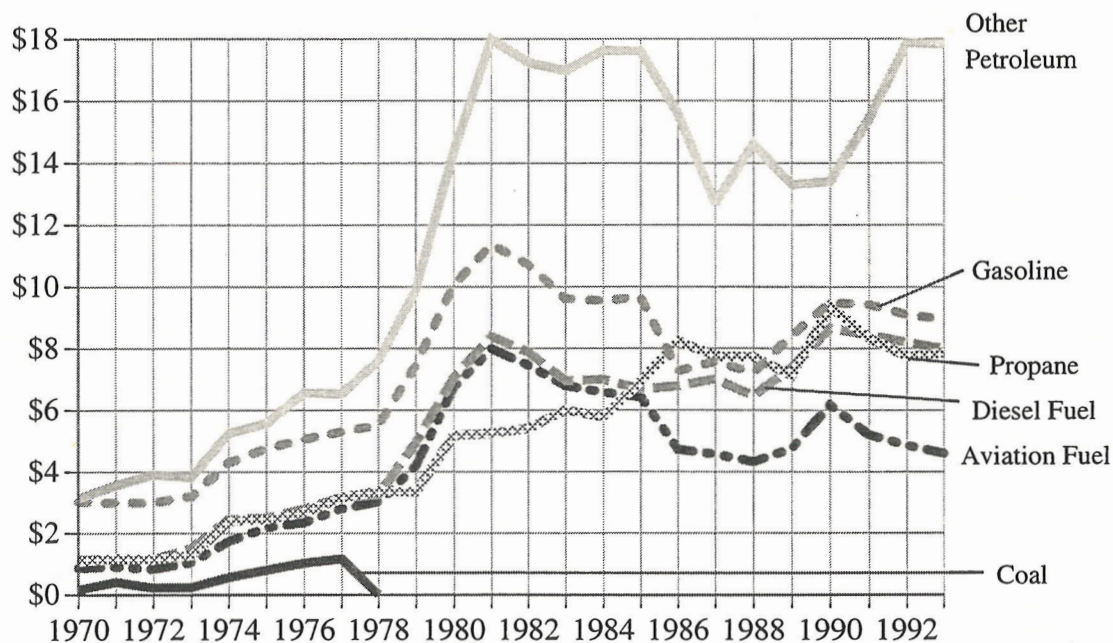
Notes: * Value less than 0.05 trillion Btu. Aviation fuel includes aviation gasoline and jet fuel. Other petroleum includes lubricants and residual fuel.

Prices of all petroleum products used in the transportation sector decreased from 1992 levels, except for propane.

Figure 24

Prices by Fuel Type, Nebraska, 1970-1993

Dollars per
Million Btu



	Coal	Aviation Fuel	Diesel Fuel	Propane	Gasoline	Other Petroleum	Average
1970	\$0.16	\$0.88	\$1.14	\$1.09	\$3.03	\$3.14	\$2.51
1971	0.41	0.91	1.16	1.18	3.00	3.55	2.53
1972	0.22	0.84	1.15	1.15	3.00	3.91	2.50
1973	0.24	1.06	1.52	1.28	3.21	3.82	2.74
1974	0.57	1.74	2.45	2.40	4.30	5.25	3.76
1975	0.81	2.19	2.50	2.46	4.76	5.57	4.15
1976	1.03	2.35	2.79	2.68	5.06	6.57	4.43
1977	1.17	2.80	3.16	3.16	5.30	6.53	4.64
1978	0.00	3.02	3.26	3.36	5.51	7.60	4.79
1979	0.00	4.20	4.95	3.35	7.45	9.88	6.64
1980	0.00	6.76	7.06	5.19	10.06	14.36	9.20
1981	0.00	7.99	8.39	5.24	11.37	18.00	10.59
1982	0.00	7.45	7.88	5.41	10.71	17.25	9.91
1983	0.00	6.80	6.96	6.01	9.61	16.98	8.76
1984	0.00	6.58	7.00	5.78	9.55	17.63	8.75
1985	0.00	6.43	6.68	6.92	9.67	17.61	8.70
1986	0.00	4.73	6.79	8.25	7.28	15.59	7.10
1987	0.00	4.58	7.02	7.76	7.58	12.70	7.31
1988	0.00	4.33	6.47	7.73	7.22	14.61	6.90
1989	0.00	4.75	7.39	7.13	8.42	13.30	7.95
1990	0.00	6.18	8.66	9.36	9.49	13.40	9.10
1991	0.00	5.22	8.44	8.34	9.43	15.42	8.98
1992	0.00	4.86	8.20	7.73	9.09	17.88	8.70
1993	\$0.00	\$4.60	\$7.99	\$7.86	\$8.96	\$17.83	\$8.54

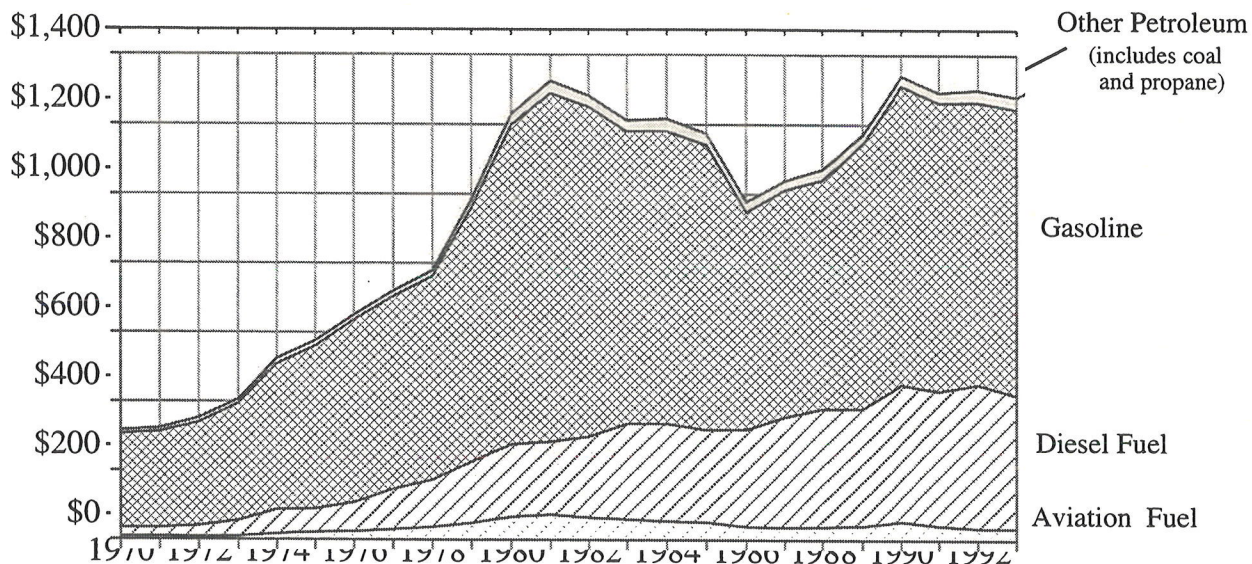
Sources: *State Energy Price and Expenditure Report, 1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. December 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

Notes: Aviation fuel includes aviation gasoline and jet fuel. Other petroleum includes lubricants and residual fuel.

Transportation sector expenditures on energy decreased 1.7% in 1993 to \$1,280.3 million (\$1.280 billion) from expenditures on energy of \$1,301.8 million in 1992.

Figure 25
Expenditures by Fuel Type, Nebraska, 1970-1993

Millions of Dollars



	Coal	Aviation Fuel	Diesel Fuel	Propane	Gasoline	Other Petroleum	Total
1970	*	\$9.5	\$24.4	\$0.9	\$271.7	\$10.5	\$317.0
1971	*	9.0	25.5	1.1	277.6	10.7	323.9
1972	*	7.5	32.5	1.0	299.9	12.3	353.2
1973	*	9.6	45.5	1.1	339.1	11.8	407.1
1974	*	17.1	70.3	2.2	421.8	16.2	527.6
1975	*	21.8	67.2	2.1	472.2	15.1	578.3
1976	*	23.6	84.4	2.7	527.9	14.6	653.2
1977	*	29.8	116.8	2.6	557.7	15.0	721.9
1978	0.00	36.3	136.9	3.1	588.7	17.2	782.2
1979	0.00	47.8	177.9	2.2	734.3	24.4	986.6
1980	0.00	65.9	210.2	3.3	923.3	30.3	1,233.1
1981	0.00	72.6	211.5	4.0	1,004.8	36.5	1,329.4
1982	0.00	64.0	234.3	3.4	952.2	31.8	1,285.6
1983	0.00	59.4	277.2	4.5	843.0	32.8	1,216.8
1984	0.00	53.6	283.3	1.8	843.6	36.3	1,218.7
1985	0.00	50.8	268.1	1.4	822.4	33.8	1,176.5
1986	0.00	37.8	281.8	1.1	628.5	29.3	978.4
1987	0.00	36.3	320.3	1.4	655.2	27.0	1,040.1
1988	0.00	37.8	342.3	1.4	660.8	29.9	1,072.3
1989	0.00	41.0	340.4	1.7	761.8	27.9	1,172.8
1990	0.00	53.9	397.2	2.1	860.1	29.0	1,342.2
1991	0.00	36.8	391.2	1.9	830.2	29.8	1,289.9
1992	0.00	34.2	417.1	1.3	814.0	35.2	1,301.8
1993	\$0.00	\$34.2	\$385.9	\$1.3	\$824.4	\$34.4	\$1,280.3

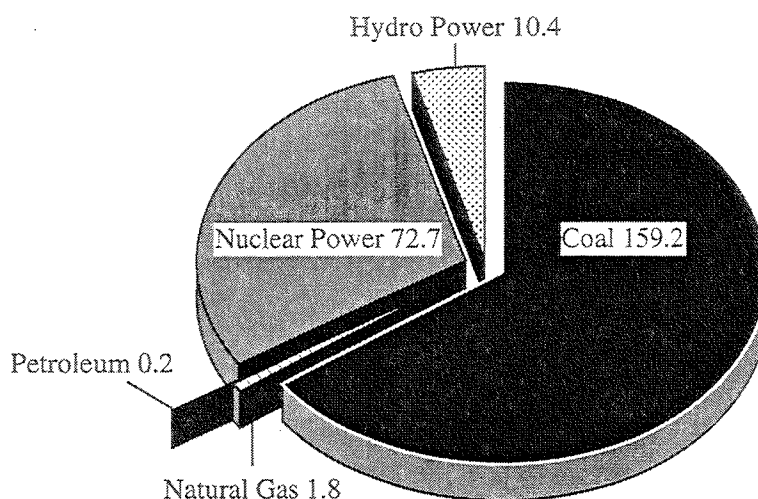
Sources: *State Energy Price and Expenditure Report, 1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. December 1994. 1993 Preliminary Estimates. Nebraska Energy Office.
Notes: *=Value less than \$0.05 million. Aviation fuel includes aviation gasoline and jet fuel. Other petroleum includes lubricants and residual fuel.

Electric Utility Sector

The electric utility sector consists of generation facilities which generate electricity primarily for use by the public. Energy is used for the generation, distribution, and transmission of electric power.

In 1993, energy use in the electric utility sector increased 1.2% over 1992. This increase was due to an 18.1% increase in generation by coal and a 5.3% increase in generation by natural gas and petroleum. These increases were partially offset by an 22.2% decrease in generation by nuclear power and a 6.3% decrease in generation by hydro-electric power.

Figure 26
Consumption by Fuel Type, Nebraska, 1993
(Trillion Btu)



Consumption by Fuel Type, Nebraska, 1960-1993

(Trillion Btu)

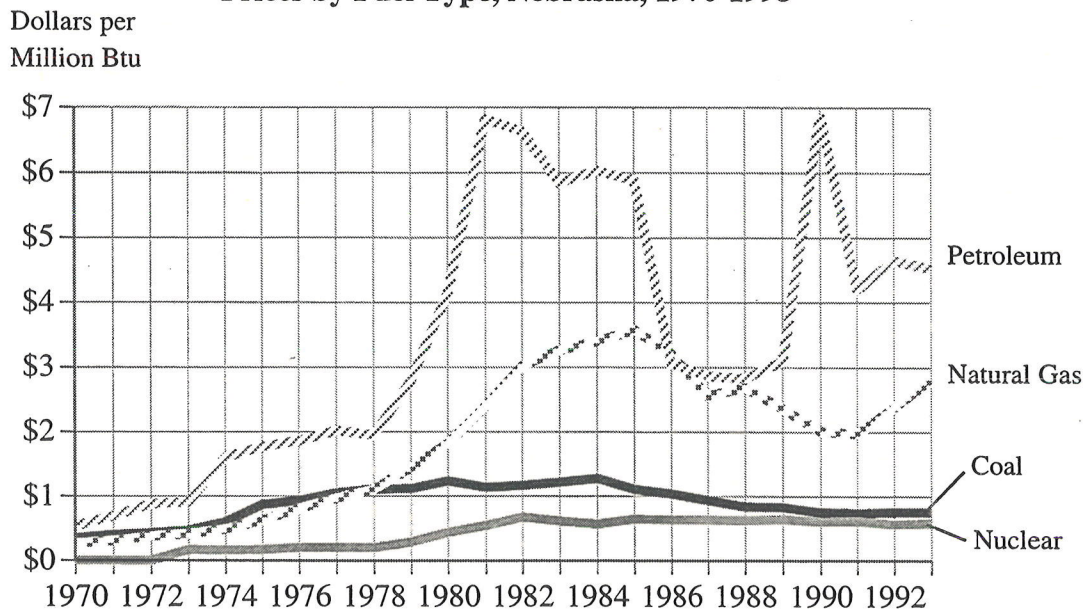
	Coal	Natural Gas	Petroleum	Nuclear Power	Hydro Power	Total
1960	6.3	32.1	1.0	0.0	10.3	50.2
1961	5.2	34.3	1.0	0.0	9.9	50.8
1962	9.5	33.5	1.3	0.0	10.3	55.0
1963	11.3	36.1	1.6	0.9	10.6	61.0
1964	12.2	37.3	1.0	1.1	10.5	62.3
1965	11.9	35.9	1.1	-0.1	11.7	60.6
1966	10.2	39.3	0.8	0.0	12.1	62.4
1967	12.1	39.3	0.7	0.0	12.1	64.3
1968	13.0	48.5	0.8	0.0	13.0	75.3
1969	21.9	45.1	1.1	0.0	12.9	81.1
1970	24.1	48.0	1.9	0.0	14.4	88.4
1971	21.7	49.2	1.3	0.0	14.2	86.5
1972	28.3	48.4	2.7	0.0	14.2	93.6
1973	30.1	53.1	2.3	6.5	14.2	106.3
1974	26.1	47.2	4.6	44.6	13.5	136.0
1975	26.8	37.0	5.9	65.2	12.6	147.5
1976	41.9	19.0	7.9	64.3	13.2	146.4
1977	48.5	15.1	5.4	80.2	12.7	162.1
1978	48.7	12.4	7.8	84.5	12.3	165.8
1979	66.4	13.4	4.6	94.2	12.9	191.5
1980	88.4	11.3	1.6	63.1	13.9	178.3
1981	91.3	4.3	0.6	66.0	12.5	174.7
1982	90.1	1.5	0.8	96.9	12.7	202.0
1983	99.4	1.5	0.5	66.3	14.2	181.8
1984	116.9	1.4	0.2	62.7	14.0	195.3
1985	110.4	1.2	0.4	44.7	15.1	171.7
1986	103.6	1.7	0.6	82.7	17.5	206.1
1987	110.6	1.7	0.6	92.6	16.3	221.7
1988	133.5	2.0	0.9	73.4	13.9	223.6
1989	126.5	2.5	0.7	86.6	12.0	228.3
1990	137.4	3.6	0.2	80.2	11.8	233.2
1991	145.6	3.5	0.2	86.4	10.8	246.5
1992	134.8	1.8	0.1	93.4	11.1	241.3
1993	159.2	1.8	0.2	72.7	10.4	244.3

Sources: State Energy Data Report, Consumption Estimates, 1960-1992. Energy Information Administration, U.S. Department of Energy. Washington, D.C. April, 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

Coal prices paid by the electric utility sector in 1993 remained the same as they were in 1992. Coal prices were 41% lower than the peak price paid in 1984. Nuclear fuel and natural gas prices increased from 1992 to 1993 and petroleum prices decreased.

Figure 27

Prices by Fuel Type, Nebraska, 1970-1993



	Coal	Natural Gas	Petroleum	Nuclear	Average
1970	\$0.35	\$0.27	\$0.54	\$0.00	\$0.30
1971	0.40	0.31	0.69	0.00	0.34
1972	0.43	0.38	0.88	0.00	0.41
1973	0.47	0.42	0.91	0.17	0.43
1974	0.60	0.49	1.60	0.16	0.43
1975	0.87	0.63	1.77	0.17	0.50
1976	0.93	0.81	1.86	0.20	0.62
1977	1.05	0.97	2.02	0.20	0.62
1978	1.11	1.11	1.95	0.20	0.65
1979	1.12	1.45	2.79	0.29	0.75
1980	1.24	1.82	4.14	0.44	1.00
1981	1.14	2.40	6.82	0.55	0.95
1982	1.17	3.02	6.65	0.68	0.96
1983	1.22	3.26	5.85	0.62	1.01
1984	1.28	3.40	6.04	0.57	1.06
1985	1.11	3.58	5.89	0.65	1.01
1986	1.04	3.21	3.05	0.64	0.89
1987	0.94	2.56	2.87	0.64	0.82
1988	0.84	2.69	2.83	0.63	0.79
1989	0.83	2.36	3.09	0.65	0.78
1990	0.75	2.01	6.89	0.61	0.73
1991	0.74	1.97	4.20	0.62	0.72
1992	0.75	2.38	4.65	0.57	0.69
1993	\$0.75	\$2.81	\$4.53	\$0.59	\$0.69

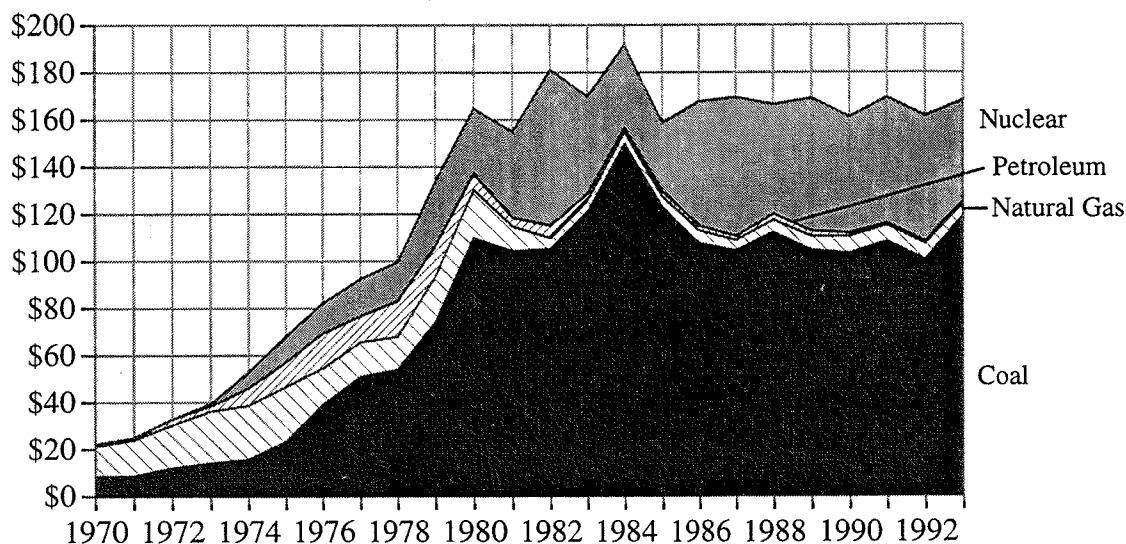
Sources: *State Energy Price and Expenditure Report, 1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. December 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

Electric utility expenditures on energy increased 5.6% in 1993 to \$168.1 million. This compares with peak expenditures of \$191.7 million in 1984.

Figure 28

Expenditures by Fuel Type, Nebraska, 1970-1993

Million
Dollars



	Coal	Natural Gas	Petroleum	Nuclear	Total
1970	\$8.5	\$12.8	\$1.0	\$0.0	\$22.3
1971	8.8	15.2	0.9	0.0	24.9
1972	12.2	18.2	2.4	0.0	32.8
1973	14.2	22.1	2.1	1.1	39.5
1974	15.7	23.0	7.3	7.0	53.2
1975	23.4	23.3	10.5	11.0	68.1
1976	39.1	15.5	14.7	12.9	82.2
1977	51.0	14.6	11.0	16.0	92.6
1978	54.1	13.8	15.2	16.6	99.7
1979	74.1	19.3	12.9	27.5	133.8
1980	109.8	20.5	6.7	27.7	164.7
1981	104.4	10.3	3.7	36.3	154.8
1982	105.3	4.6	5.1	66.2	181.3
1983	121.0	4.9	2.7	41.1	169.7
1984	149.9	4.8	1.5	35.5	191.7
1985	122.9	4.4	2.1	29.3	158.7
1986	107.7	5.3	1.9	52.8	167.8
1987	104.5	4.4	1.6	59.0	169.4
1988	112.3	5.2	2.4	46.5	166.5
1989	104.7	5.9	2.1	56.3	168.9
1990	103.4	7.2	1.3	49.3	161.1
1991	108.5	6.8	0.8	53.4	169.5
1992	100.6	4.3	0.7	53.6	159.2
1993	\$119.4	\$5.0	\$1.1	\$42.7	\$168.1

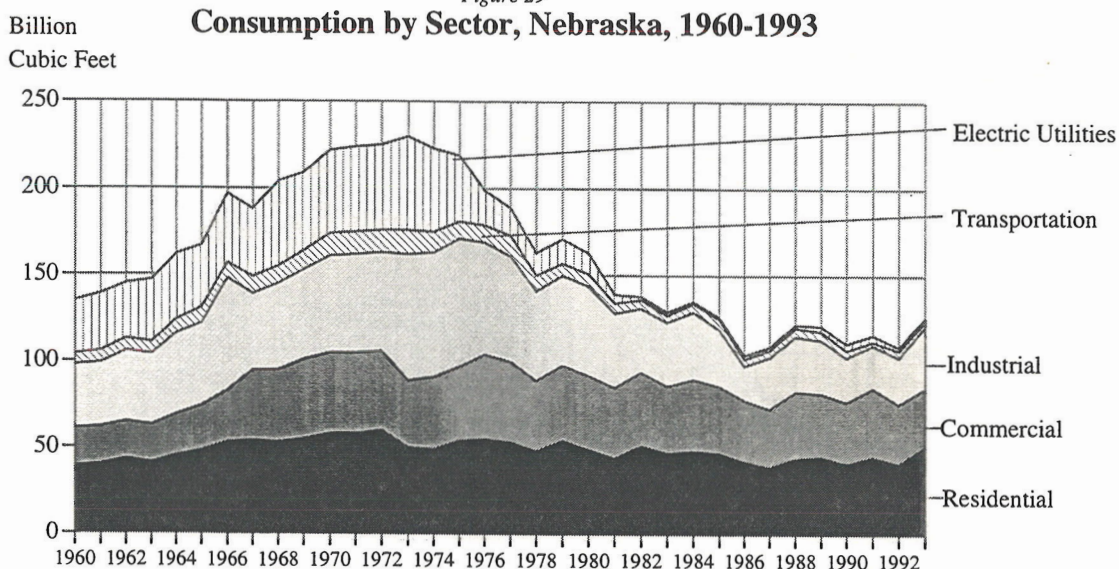
Sources: *State Energy Price and Expenditure Report, 1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. December 1994.
1993 Preliminary Estimates. Nebraska Energy Office.

Energy Resource Statistics

Natural Gas

Natural gas use in Nebraska for 1993 was 125 billion cubic feet, an increase of 16.8% from 1992. Natural gas use has shown a general decline in Nebraska since annual consumption peaked at 230 billion cubic feet in 1973.

Figure 29



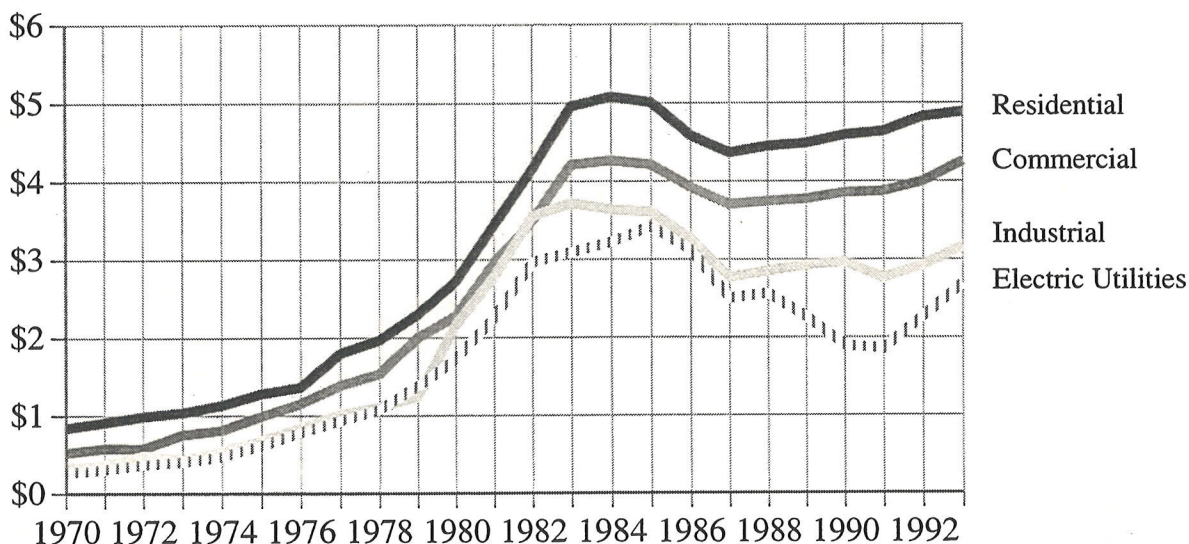
	Residential	Commer- cial	Industrial	Transpor- tation	Electric Utilities	Total
1960	39	22	37	6	31	136
1961	40	22	37	7	33	140
1962	43	22	41	7	32	144
1963	41	22	41	7	36	147
1964	45	24	47	8	38	162
1965	48	26	48	9	36	166
1966	53	30	65	9	40	197
1967	54	41	44	10	39	189
1968	53	42	50	10	49	203
1969	55	46	52	11	45	210
1970	58	47	56	13	48	222
1971	58	47	57	13	49	224
1972	60	46	57	13	49	225
1973	50	39	73	14	54	230
1974	49	42	72	12	48	223
1975	54	43	74	10	38	219
1976	55	49	65	10	20	199
1977	53	47	61	12	16	189
1978	48	41	52	9	13	163
1979	54	44	52	7	14	170
1980	49	43	52	7	12	163
1981	44	41	43	6	5	138
1982	51	43	37	5	2	138
1983	47	39	37	4	2	129
1984	48	42	39	5	1	134
1985	47	39	33	6	1	126
1986	42	36	20	4	2	105
1987	39	34	30	4	2	109
1988	44	39	32	5	2	122
1989	45	37	31	5	3	120
1990	41	36	26	4	4	111
1991	45	40	25	2	4	116
1992	41	34	26	3	2	107
1993	51	34	36	3	2	125

Sources: *State Energy Data Report, Consumption Estimates, 1960-1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. May, 1994. *1993 Natural Gas Monthly*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. Monthly.

The residential natural gas price increased 4.5%, the commercial price increased 3.6%, the industrial price increased 6.5% and the electric utility price increased 20.4%. Natural gas prices rose for the fifth consecutive year, but remain lower than 1985 prices.

Figure 30
Prices by Sector, Nebraska, 1970-1993

Dollars per Thousand
Cubic Feet



	Residential	Commercial	Industrial	Electric Utilities	Average
1970	\$0.85	\$0.52	\$0.32	\$0.27	\$0.50
1971	0.91	0.59	0.36	0.31	0.55
1972	0.99	0.58	0.49	0.37	0.63
1973	1.04	0.76	0.44	0.41	0.63
1974	1.14	0.82	0.54	0.48	0.72
1975	1.28	1.00	0.69	0.62	0.90
1976	1.37	1.16	0.85	0.79	1.07
1977	1.80	1.39	1.02	0.94	1.35
1978	1.97	1.54	1.11	1.07	1.50
1979	2.30	2.00	1.26	1.38	1.82
1980	2.72	2.28	2.17	1.73	2.35
1981	3.45	2.96	2.78	2.26	3.04
1982	4.16	3.49	3.55	2.97	3.76
1983	4.96	4.21	3.72	3.09	4.34
1984	5.08	4.27	3.64	3.22	4.38
1985	5.01	4.21	3.60	3.43	4.35
1986	4.59	3.92	3.26	3.12	4.05
1987	4.36	3.70	2.77	2.50	3.65
1988	4.45	3.75	2.85	2.57	3.75
1989	4.49	3.77	2.92	2.26	3.79
1990	4.60	3.86	2.97	1.90	3.86
1991	4.64	3.87	2.76	1.86	3.87
1992	4.82	3.99	2.92	2.28	4.01
1993	\$4.89	\$4.26	\$3.16	\$2.70	\$4.17

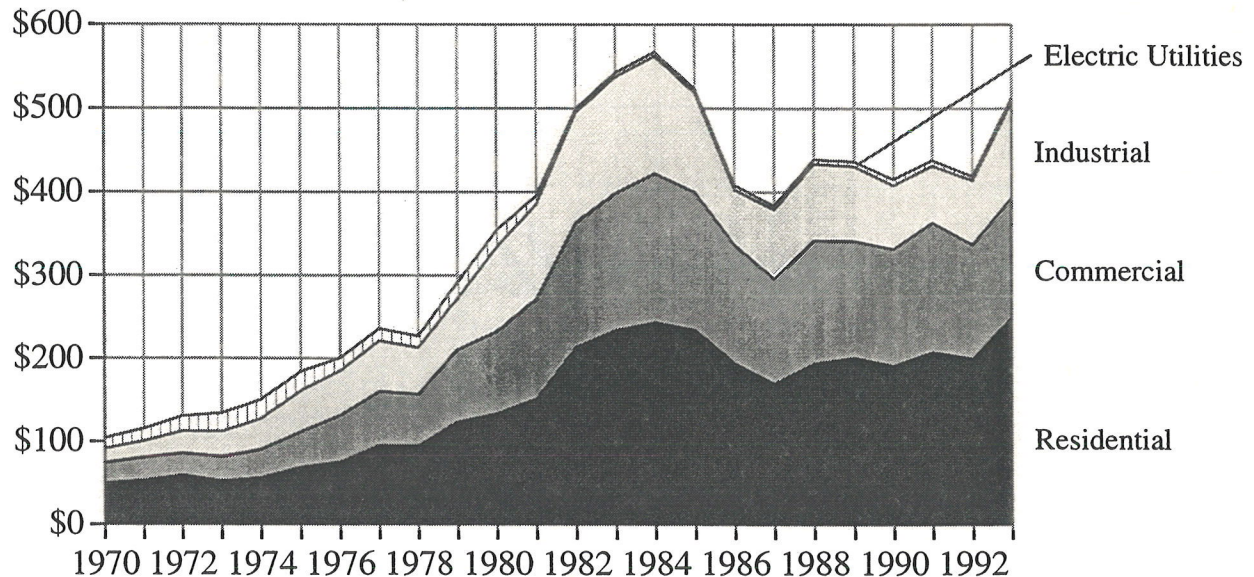
Sources: *State Energy Price and Expenditure Report, 1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. December 1994. *1993 Natural Gas Monthly*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. Monthly.

Expenditures on natural gas in Nebraska increased from \$418.8 million in 1992 to \$512.7 million in 1993. The increase in expenditures resulted from higher consumption with winter weather being much colder during 1993 than 1992. Expenditures on natural gas peaked at \$567.2 million in 1984.

Figure 31

Expenditures by Sector, Nebraska, 1970-1993

Million Dollars



	Residential	Commercial	Industrial	Electric Utilities	Total
1970	\$49.6	\$24.7	\$17.0	\$12.8	\$104.1
1971	53.2	27.7	19.6	15.2	115.7
1972	59.4	26.5	26.5	18.2	130.7
1973	52.4	29.3	30.5	22.1	134.4
1974	56.3	34.3	37.2	23.0	150.9
1975	68.9	42.9	49.2	23.3	184.3
1976	75.1	56.2	53.8	15.5	200.6
1977	95.1	65.5	60.9	14.6	236.1
1978	94.8	62.6	55.9	13.8	227.2
1979	123.3	87.2	61.3	19.3	291.2
1980	133.5	99.1	101.1	20.5	354.1
1981	151.5	120.3	113.6	10.3	395.7
1982	213.6	150.2	131.1	4.6	499.6
1983	234.1	164.7	138.8	4.9	542.5
1984	243.3	179.0	140.1	4.8	567.2
1985	233.9	166.0	119.4	4.4	523.7
1986	194.0	142.8	66.3	5.3	408.4
1987	169.5	126.6	83.2	4.4	383.6
1988	194.0	147.7	92.1	5.2	439.0
1989	200.7	140.8	89.2	5.9	436.6
1990	190.9	140.8	76.5	7.2	415.4
1991	207.3	155.9	68.3	6.8	438.4
1992	199.6	137.6	77.2	4.3	418.8
1993	\$249.2	\$144.6	\$114.0	\$5.0	\$512.7

Sources: *State Energy Price and Expenditure Report, 1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. December 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

Figure 32

Natural Gas Deliveries and Prices to Residential Consumers, Nebraska, Monthly 1985-1993

	Deliveries (Million Cubic Feet)									Average Prices (Dollars/Thousand Cubic Feet)									
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1985	1986	1987	1988	1989	1990	1991	1992	1993	
January	8,030	7,874	6,991	8,326	7,006	7,593	9,508	6,858	11,404	\$4.95	\$4.56	\$4.13	\$4.21	\$4.45	\$4.66	\$4.64	\$4.57	\$4.72	
February	8,778	6,841	5,998	8,011	7,911	6,472	6,544	5,956	7,759	4.82	4.53	4.19	4.37	4.31	4.44	4.29	4.28	4.55	
March	5,783	5,806	4,798	5,788	6,742	5,262	5,212	4,706	7,316	4.87	4.59	4.27	4.37	4.15	4.22	4.24	4.26	4.51	
April	3,811	3,479	4,374	3,925	3,687	3,959	3,123	3,760	4,864	4.95	4.67	4.31	4.37	4.30	4.23	4.56	4.41	4.77	
May	1,971	2,136	1,755	2,093	1,968	2,276	2,234	2,020	2,252	5.12	4.92	4.71	4.60	4.70	4.54	4.26	4.91	5.51	
June	1,381	1,317	1,234	1,179	1,137	1,294	1,163	1,311	1,427	5.43	5.24	4.99	5.02	5.65	5.04	5.34	5.47	5.99	
July	1,192	1,118	1,096	1,089	1,078	1,056	1,019	1,047	1,068	5.64	5.37	5.01	5.05	5.34	5.26	5.43	5.90	6.45	
August	1,104	1,034	1,065	1,011	1,007	947	953	983	954	5.67	5.36	5.13	5.29	5.46	5.14	5.81	6.24	6.71	
September	1,269	1,103	1,085	1,030	1,212	1,034	1,085	1,096	1,162	5.62	5.25	5.34	5.31	5.22	5.06	5.87	6.16	6.40	
October	2,427	1,599	1,808	1,708	1,972	1,896	2,062	2,030	1,906	5.10	4.79	4.62	4.91	4.80	4.77	5.30	5.78	5.70	
November	3,537	3,732	3,222	3,625	3,788	3,458	5,196	4,561	4,137	4.95	4.23	4.36	4.48	4.47	4.74	4.68	5.15	4.95	
December	8,062	6,271	5,446	5,717	7,297	6,251	6,573	7,085	6,507	4.75	4.15	4.18	4.37	4.37	4.76	4.63	4.90	4.74	
Total	47,345	42,310	38,872	43,502	44,805	41,498	44,672	41,413	50,756	Average	\$4.96	\$4.59	\$4.36	\$4.46	\$4.48	\$4.60	\$4.62	\$4.82	\$4.91

Source: *Natural Gas Monthly*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. Monthly.

Figure 33

Natural Gas Deliveries and Prices to Commercial Consumers, Nebraska, Monthly 1985-1993

	Deliveries (Million Cubic Feet)									Average Prices (Dollars/Thousand Cubic Feet)									
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1985	1986	1987	1988	1989	1990	1991	1992	1993	
January	5,227	5,209	4,490	5,037	4,202	4,765	5,452	4,332	5,612	\$4.52	\$4.15	\$3.76	\$3.84	\$4.05	\$4.30	\$4.52	\$4.12	\$4.34	
February	5,782	4,437	3,886	5,009	4,825	4,019	4,111	3,760	3,691	4.43	4.12	3.79	3.98	3.95	3.82	3.91	3.87	4.20	
March	3,692	3,633	3,251	3,656	4,252	3,355	3,382	2,970	4,472	4.39	4.18	3.75	3.90	3.74	3.84	3.71	3.76	4.16	
April	2,506	2,318	2,945	2,522	2,505	2,799	2,193	2,411	3,027	4.39	4.11	3.79	3.76	3.67	3.60	3.79	3.69	4.24	
May	1,468	1,545	1,425	1,562	1,648	1,480	1,771	1,781	1,585	4.20	4.16	3.71	3.69	3.73	3.96	3.70	3.75	4.58	
June	1,248	1,176	1,187	3,115	1,757	1,325	1,779	1,330	1,351	4.28	4.14	3.70	3.55	3.78	3.70	3.58	3.98	4.13	
July	2,828	2,512	2,384	4,304	3,381	4,837	5,675	2,366	1,289	3.88	3.80	3.57	3.52	3.48	3.56	3.53	3.69	4.55	
August	2,944	3,710	4,019	4,270	4,240	2,596	4,406	2,393	1,781	3.85	3.71	3.55	3.55	3.59	3.58	3.55	3.78	4.19	
September	2,496	2,260	2,292	1,578	1,634	2,333	1,961	1,710	1,302	3.91	3.73	3.70	3.64	3.58	3.57	3.70	3.93	4.80	
October	2,396	1,857	2,035	2,047	2,109	2,334	2,056	2,508	2,111	4.10	3.75	3.61	3.68	3.62	3.77	3.97	4.21	4.22	
November	3,768	3,436	2,700	2,552	2,602	2,552	3,468	3,988	3,410	3.97	3.59	3.69	3.78	3.75	4.11	4.06	4.27	4.17	
December	5,843	4,265	3,540	3,668	4,196	4,094	4,037	4,941	4,139	4.18	3.73	3.73	3.87	3.99	4.18	4.08	4.31	4.28	
Total	40,198	36,358	34,154	39,320	37,351	36,489	40,291	34,490	33,770	Average	\$4.21	\$3.43	\$3.70	\$3.25	\$3.77	\$3.86	\$3.87	\$3.99	\$4.28

Source: *Natural Gas Monthly*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. Monthly.

Figure 34

Natural Gas Deliveries and Prices to Industrial Consumers, Nebraska, Monthly 1985-1993

	Deliveries									Average Prices									
	(Million Cubic Feet)									(Dollars/Thousand Cubic Feet)									
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1985	1986	1987	1988	1989	1990	1991	1992	1993	
January	3,502	1,950	3,181	3,945	3,082	2,280	2,835	2,243	2,403	\$3.75	\$3.70	\$2.85	\$2.84	\$3.24	\$3.56	\$3.37	\$3.03	\$3.24	
February	3,255	1,943	2,696	3,815	3,001	2,388	2,443	2,350	1,712	3.69	3.70	2.85	2.89	3.29	3.16	2.90	2.61	3.04	
March	3,040	2,363	2,665	2,982	3,201	2,375	2,065	2,015	3,131	3.61	3.32	2.84	3.03	2.94	2.99	2.66	2.42	2.97	
April	2,839	2,097	2,323	2,485	2,721	2,114	1,897	2,172	4,164	3.55	3.28	2.83	2.84	2.73	2.85	2.51	2.39	3.17	
May	2,788	1,982	2,210	2,301	2,754	2,062	1,826	1,710	2,614	3.48	3.20	2.72	2.70	2.69	2.44	2.38	2.45	3.94	
June	2,464	1,779	1,983	2,289	2,574	1,878	1,810	2,197	2,594	3.58	3.34	2.71	2.65	2.71	2.64	2.33	2.60	2.57	
July	2,379	1,721	1,980	2,267	2,662	1,879	1,912	1,917	2,991	3.52	3.10	2.76	2.63	2.74	2.71	2.23	2.65	2.91	
August	2,137	1,053	1,975	2,064	2,208	2,097	1,839	1,966	2,524	3.61	3.34	2.74	2.76	2.76	2.63	2.25	2.96	2.87	
September	2,396	1,072	2,097	2,544	2,680	1,858	1,911	2,111	3,138	3.49	3.16	2.74	2.60	2.72	2.69	2.48	3.00	3.22	
October	2,962	1,297	2,020	2,174	1,428	2,031	2,037	2,226	3,053	3.48	2.88	2.88	2.99	2.73	2.70	2.76	3.62	3.20	
November	2,659	1,513	3,021	2,556	2,058	2,302	2,027	2,529	3,619	3.57	2.76	2.69	3.03	2.84	3.06	2.99	3.41	3.23	
December	2,713	1,618	3,866	2,986	2,175	2,484	2,156	3,015	3,924	3.68	2.95	2.70	3.10	3.19	3.16	3.13	3.36	3.58	
Total	33,134	20,388	30,017	32,408	30,544	25,748	24,758	26,451	35,867	Average	\$3.59	\$3.25	\$2.77	\$2.85	\$2.92	\$2.97	\$2.78	\$2.92	\$3.18

Source: *Natural Gas Monthly*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. Monthly.

Figure 35

Natural Gas Deliveries and Prices to Electric Utilities, Nebraska, Monthly 1985-1993

Deliveries										Average Prices									
(Million Cubic Feet)										(Dollars/Thousand Cubic Feet)									
	1985	1986	1987	1988	1989	1990	1991	1992	1993		1985	1986	1987	1988	1989	1990	1991	1992	1993
January	72	65	237	91	54	59	322	97	104		\$3.67	\$3.51	\$2.19	\$3.15	\$2.89	\$3.35	\$2.13	\$2.80	\$2.88
February	62	78	90	60	249	46	60	76	48		3.30	3.45	2.81	3.13	2.50	2.68	2.50	2.58	2.61
March	82	68	111	94	189	185	39	213	111		3.48	3.47	2.56	2.91	2.36	1.74	2.24	2.02	2.46
April	192	119	106	64	428	336	540	211	148		3.20	3.37	2.51	2.79	2.28	1.66	1.43	1.54	2.45
May	62	82	138	103	89	370	511	111	137		3.54	3.30	2.81	2.57	2.79	1.67	1.61	2.31	2.87
June	91	478	305	615	113	239	190	139	114		3.63	3.22	2.48	2.52	2.50	2.12	1.91	2.10	2.26
July	107	119	326	247	392	144	194	153	454		3.53	3.28	2.48	2.30	2.19	2.13	1.79	2.12	2.35
August	93	92	107	176	189	334	139	85	399		3.51	3.17	2.37	2.69	2.32	2.10	1.76	2.50	3.01
September	132	86	72	154	167	627	309	280	82		3.56	3.01	2.46	2.66	2.23	1.65	1.90	2.27	2.87
October	196	134	84	142	295	563	479	210	120		3.33	2.59	2.46	2.27	1.79	1.81	1.88	2.46	2.58
November	77	252	101	236	357	435	538	191	60		3.57	2.82	2.55	2.43	2.06	2.08	1.97	2.32	2.86
December	119	140	66	64	71	428	368	136	98		3.34	2.89	3.01	2.99	3.14	2.14	2.21	2.84	3.14
Total	1,285	1,713	1,743	2,046	2,593	3,766	3,689	1,902	1,875	Average	\$3.42	\$3.12	\$2.51	\$2.58	\$2.26	\$1.90	\$1.85	\$2.28	\$2.66

Source: *Natural Gas Monthly*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. Monthly.

Figure 36

Natural Gas Deliveries and Prices to All Consumers, Nebraska, Monthly 1985-1993

Deliveries (Million Cubic Feet)										Average Prices (Dollars/Thousand Cubic Feet)									
	1985	1986	1987	1988	1989	1990	1991	1992	1993		1985	1986	1987	1988	1989	1990	1991	1992	1993
January	16,657	15,098	14,899	17,399	14,343	14,697	18,117	13,529	19,523		\$4.57	\$4.30	\$3.81	\$3.88	\$4.17	\$4.42	\$4.38	\$4.12	\$4.42
February	17,391	13,298	12,670	16,893	15,985	12,925	13,158	12,142	13,210		4.54	4.26	3.88	4.01	4.06	4.08	3.94	3.75	4.25
March	12,491	11,870	10,825	12,519	14,384	11,176	10,698	9,903	15,030		4.48	4.21	3.86	4.02	3.85	3.91	3.80	3.53	4.07
April	9,197	8,007	9,748	8,997	9,341	9,208	7,753	8,555	12,203		4.38	4.12	3.90	3.93	3.75	3.75	3.69	3.60	4.06
May	6,250	5,745	5,528	6,059	6,459	6,188	6,342	5,622	6,588		4.20	4.10	3.82	3.85	3.89	3.83	3.42	3.71	4.61
June	5,127	4,750	4,709	7,198	5,581	4,736	4,941	4,977	5,486		4.25	4.05	3.75	3.57	4.07	3.92	3.59	3.70	3.84
July	6,474	5,470	5,786	7,908	7,513	7,915	8,801	5,483	5,802		4.06	3.89	3.65	3.59	3.66	3.72	3.50	3.72	3.88
August	6,263	5,889	7,166	7,521	7,645	5,974	7,337	5,428	5,657		4.08	3.92	3.67	3.68	3.74	3.66	3.56	3.94	3.94
September	6,124	4,521	5,546	5,306	5,693	5,852	5,266	5,197	5,684		4.06	3.95	3.84	3.69	3.85	3.51	3.70	3.91	4.23
October	7,871	4,887	5,947	6,070	5,804	6,824	6,634	6,974	7,190		4.15	3.83	3.80	3.92	3.77	3.74	3.93	4.38	4.15
November	9,851	8,932	9,044	8,968	8,805	8,747	11,229	11,269	11,227		4.20	3.70	3.75	3.95	3.87	4.12	4.07	4.36	4.15
December	16,800	12,294	12,918	12,435	13,739	13,257	13,134	15,177	14,669		4.37	3.83	3.76	4.03	4.12	4.30	4.16	4.39	4.29
Total	120,496	100,761	104,786	117,273	115,292	107,499	113,410	104,256	122,269	Average	\$4.34	\$4.05	\$3.80	\$3.88	\$3.94	\$4.00	\$3.92	\$3.98	\$4.21

Source: *Natural Gas Monthly*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. Monthly.

Figure 37

Average City Gate Price, Nebraska, Monthly 1984-1993

(Dollars/Thousand Cubic Feet)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	\$4.01	\$3.77	\$3.54	\$2.80	\$2.96	\$3.18	\$3.50	\$2.68	\$2.71	\$2.92
February	4.10	3.79	3.49	3.06	3.06	2.76	2.76	2.57	2.36	2.78
March	4.05	4.06	3.78	3.10	3.13	2.86	2.78	2.68	2.46	2.78
April	3.99	3.89	3.72	3.07	2.78	2.68	2.59	2.69	2.47	3.19
May	4.19	4.00	4.17	3.41	3.08	2.98	2.85	2.90	3.07	3.94
June	4.42	4.21	4.26	3.33	3.34	3.34	3.20	2.90	3.28	3.49
July	4.40	4.48	4.24	3.34	3.44	3.39	3.10	2.97	3.18	3.37
August	4.37	4.43	4.47	3.55	3.38	3.22	2.93	2.78	3.23	3.51
September	4.25	4.24	4.03	3.33	3.50	3.15	3.11	3.00	3.47	6.24
October	4.03	3.92	2.81	2.68	2.90	2.67	2.62	2.85	3.55	4.28
November	3.86	3.57	2.49	2.65	2.73	2.64	2.90	2.62	3.15	3.96
December	3.94	3.53	2.87	2.85	3.04	2.90	2.97	2.88	3.09	3.96
Average	\$4.09	\$3.88	\$3.42	\$2.99	\$3.03	\$2.91	\$2.95	\$2.75	\$2.92	\$3.46

Source: *Natural Gas Monthly*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. Monthly.

Average consumption by a residential customer in 1993 increased 18.2% to 117 thousand cubic feet. Similarly, the average residential natural gas bill in 1993 increased 19.9% from 1992 to \$572. The average residential natural gas bill peaked at \$622 in 1984.

Figure 38

**Average Annual Consumption and Cost and Number of Customers,
Residential and Commercial Sectors, Nebraska, 1967-1993**

	Residential			Commercial		
	Consumption (mcf)	Cost dollars	Customers (in thousands)	Consumption (mcf)	Cost dollars	Customers (in thousands)
1967	179	\$142	301	987	\$476	42
1968	174	138	307	908	441	46
1969	176	146	314	959	491	48
1970	183	156	318	956	505	49
1971	177	164	325	945	555	50
1972	180	178	334	910	531	50
1973	155	161	326	790	577	49
1974	142	162	348	783	636	54
1975	151	194	356	770	765	56
1976	160	218	344	919	1,061	53
1977	146	262	363	870	1,213	54
1978	131	258	367	799	1,228	51
1979	147	339	364	946	1,895	46
1980	125	342	391	903	2,064	48
1981	111	384	395	677	2,004	60
1982	130	542	394	995	3,476	43
1983	119	588	398	659	2,778	59
1984	122	622	391	706	3,014	59
1985	119	595	393	657	2,767	60
1986	107	490	396	596	2,341	61
1987	97	424	400	563	2,084	61
1988	108	481	404	642	2,404	61
1989	110	493	407	619	2,331	60
1990	102	469	407	604	2,330	60
1991	108	502	413	661	2,562	61
1992	99	477	419	562	2,237	61
1993	117	\$572	413	573	\$2,441	61

Sources: *Natural Gas Annual 1993*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. October 1994.

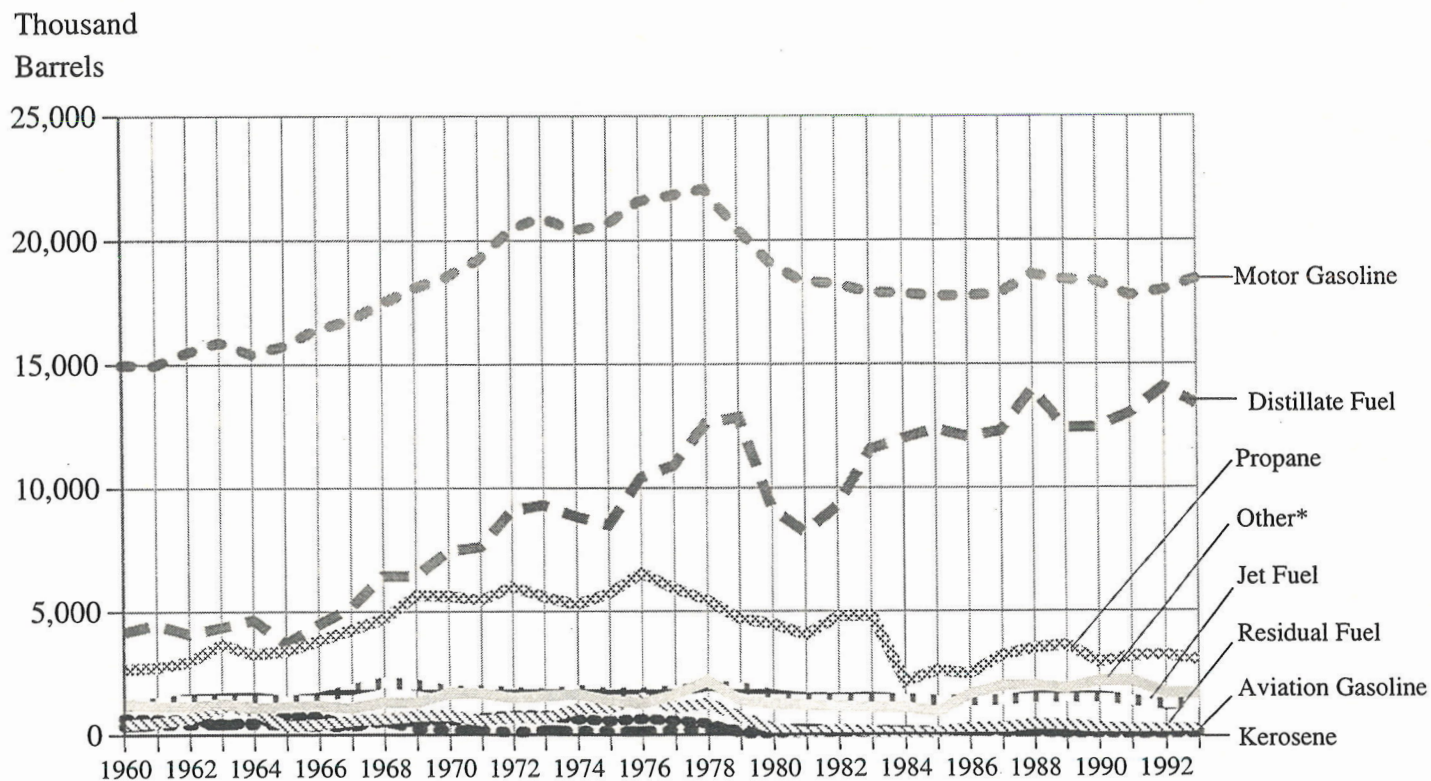
Note: mcf = thousand cubic feet.

Petroleum

Petroleum use in Nebraska for 1993 was 38,024 thousand barrels (38.02 million barrels), a decrease of 1.1% from 1992. Petroleum use peaked at 46,268 thousand barrels in 1978 before falling sharply between 1979 and 1981 due to the rapid increase in prices. Use increased in 1982 and 1983, as well as 1987 and 1988, because of lower prices.

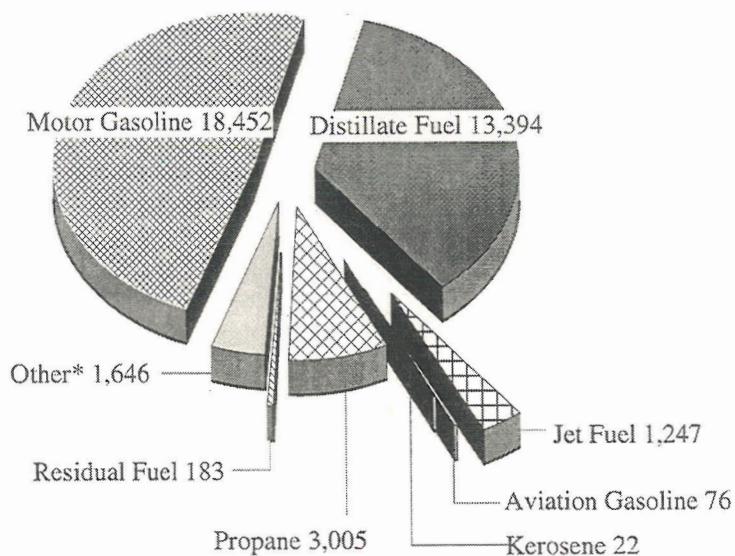
Figure 39

Consumption by Product, Nebraska, 1960-1993



Consumption by Product, 1993

Thousand Barrels



* Other includes asphalt, road oil, lubricants and other specialty products.

Figure 40
Consumption by Product, Nebraska, 1960-1993

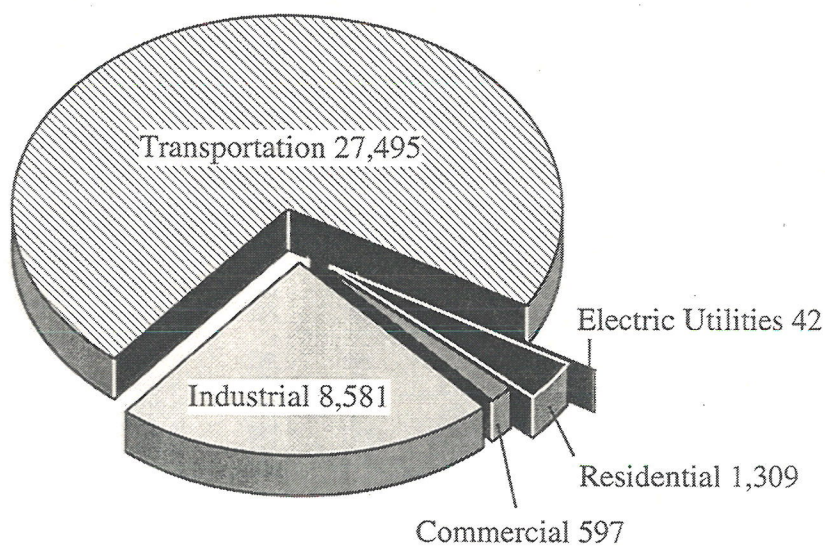
(Thousand Barrels)

	Motor Gasoline	Distillate Fuel	Jet Fuel	Aviation Gasoline	Kerosene	Propane	Residual Fuel	Other*	Total
1960	14,998	4,151	1,202	371	677	2,650	415	1,263	25,729
1961	14,965	4,462	1,309	416	622	2,730	496	1,173	26,173
1962	15,486	4,080	1,463	423	610	2,953	666	1,145	26,824
1963	15,893	4,351	1,491	428	457	3,672	1,161	1,272	28,725
1964	15,422	4,659	1,530	443	496	3,255	983	1,100	27,888
1965	15,745	3,689	1,371	410	790	3,407	332	1,130	26,875
1966	16,412	4,464	1,510	362	722	3,818	430	1,199	28,917
1967	16,763	5,172	1,849	333	348	4,262	586	1,085	30,397
1968	17,451	6,454	2,124	556	638	4,705	643	1,328	33,900
1969	18,082	6,439	2,038	233	526	5,669	779	1,308	35,074
1970	18,525	7,449	1,783	199	582	5,616	793	1,710	36,656
1971	19,231	7,613	1,812	197	680	5,468	579	1,687	37,267
1972	20,414	9,097	1,721	89	771	6,006	720	1,502	40,320
1973	20,948	9,307	1,665	172	782	5,593	670	1,577	40,714
1974	20,412	8,847	1,797	174	623	5,289	1,049	1,646	39,837
1975	20,636	8,507	1,679	141	554	5,740	1,092	1,391	39,740
1976	21,580	10,426	1,692	138	635	6,552	1,505	1,270	43,798
1977	21,810	10,916	1,771	183	559	5,922	1,088	1,631	43,879
1978	22,075	12,630	1,989	207	456	5,469	1,266	2,178	46,268
1979	20,478	12,862	1,900	181	57	4,682	707	1,406	42,272
1980	19,100	9,149	1,588	213	62	4,499	228	1,254	36,093
1981	18,333	8,200	1,466	214	87	4,023	70	1,196	33,589
1982	18,261	9,253	1,453	123	93	4,788	191	1,144	35,308
1983	17,905	11,547	1,482	119	76	4,818	105	1,098	37,150
1984	17,871	11,986	1,385	107	109	2,118	70	1,085	34,729
1985	17,733	12,384	1,357	96	74	2,590	62	902	35,198
1986	17,757	12,051	1,353	117	168	2,449	252	1,632	35,781
1987	17,844	12,299	1,373	90	104	3,218	265	1,969	37,163
1988	18,634	13,995	1,505	96	76	3,500	412	1,985	40,202
1989	18,418	12,432	1,488	93	22	3,622	376	1,859	38,310
1990	18,345	12,455	1,501	83	41	2,912	260	2,166	37,764
1991	17,795	13,022	1,192	84	17	3,167	200	2,175	37,654
1992	17,955	14,091	1,198	81	20	3,225	187	1,678	38,435
1993	18,452	13,394	1,247	76	22	3,005	183	1,646	38,024

Sources: State Energy Data Report, Consumption Estimates, 1960-1992. Energy Information Administration, U.S. Department of Energy. Washington, D.C. May, 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

*Note: Other includes asphalt, road oil, lubricants and other specialty products.

Figure 41
Consumption by Sector, Nebraska, 1993
 (Thousand Barrels)



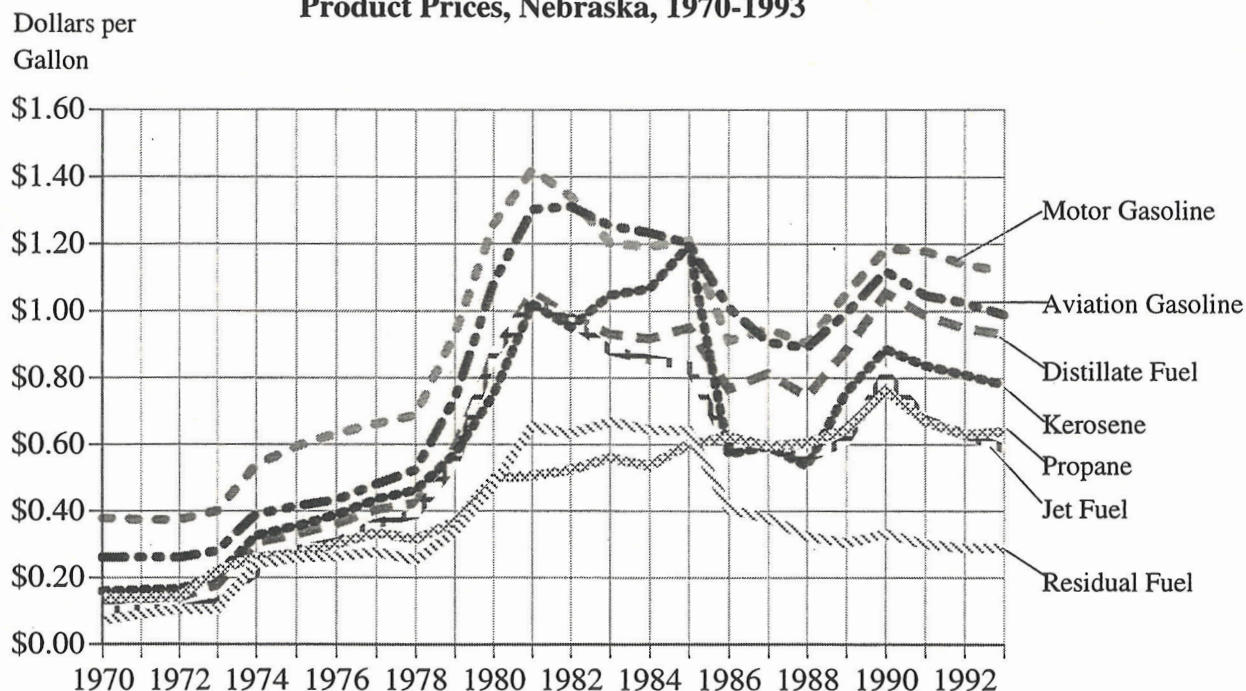
	Residential	Commercial	Industrial	Transportation	Electric Utilities	Total
1960	2,267	649	6,222	16,432	160	25,729
1961	2,405	673	6,128	16,808	158	26,173
1962	2,635	743	5,587	17,648	212	26,824
1963	2,984	845	5,657	18,981	258	28,725
1964	2,738	812	5,742	18,445	151	27,888
1965	3,110	827	5,177	17,583	178	26,875
1966	3,155	963	6,158	18,515	127	28,917
1967	3,204	960	6,216	19,907	110	30,397
1968	3,846	1,176	6,346	22,400	131	33,900
1969	4,305	1,283	6,707	22,593	186	35,074
1970	4,464	1,307	7,073	23,497	314	36,656
1971	4,385	1,264	7,252	24,149	217	37,267
1972	4,738	1,348	7,326	26,453	455	40,320
1973	4,264	1,262	6,956	27,849	382	40,714
1974	3,637	1,155	7,978	26,319	748	39,837
1975	3,688	1,079	8,030	25,976	967	39,740
1976	3,851	1,331	9,826	27,511	1,279	43,798
1977	3,413	1,195	9,434	28,948	888	43,879
1978	3,418	1,167	10,061	30,354	1,267	46,268
1979	1,909	962	11,045	27,605	750	42,272
1980	1,775	622	8,523	24,911	262	36,093
1981	1,726	751	7,642	23,377	93	33,589
1982	1,832	797	8,462	24,084	132	35,308
1983	2,003	1,260	8,153	25,654	80	37,150
1984	1,102	1,139	6,785	25,662	41	34,729
1985	1,379	1,146	7,712	24,900	62	35,198
1986	1,190	640	8,482	25,366	103	35,781
1987	1,436	713	8,769	26,153	92	37,163
1988	1,410	659	9,488	28,504	140	40,202
1989	1,467	613	8,983	27,136	110	38,310
1990	1,151	617	8,848	27,116	31	37,764
1991	1,430	529	9,290	26,375	30	37,654
1992	1,401	624	8,960	27,426	25	38,435
1993	1,309	597	8,581	27,495	42	38,024

Sources: State Energy Data Report, Consumption Estimates, 1960-1992. Energy Information Administration, U.S. Department of Energy. Washington, D.C. May, 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

Prices in Nebraska decreased in 1993 for all petroleum products except propane which increased in price and residual fuel which remained the same.

Figure 42

Product Prices, Nebraska, 1970-1993



	Motor Gasoline	Distillate Fuel	Jet Fuel	Aviation Gasoline	Kerosene	Propane	Residual Fuel
1970	\$0.38	\$0.13	\$0.10	\$0.26	\$0.16	\$0.14	\$0.07
1971	0.38	0.14	0.11	0.26	0.16	0.14	0.09
1972	0.38	0.14	0.11	0.26	0.17	0.14	0.11
1973	0.40	0.18	0.13	0.28	0.20	0.22	0.11
1974	0.54	0.31	0.22	0.39	0.33	0.26	0.24
1975	0.56	0.33	0.28	0.42	0.36	0.27	0.26
1976	0.63	0.36	0.31	0.43	0.39	0.30	0.26
1977	0.66	0.40	0.36	0.48	0.44	0.34	0.28
1978	0.69	0.42	0.39	0.53	0.46	0.32	0.25
1979	0.93	0.59	0.54	0.74	0.57	0.37	0.34
1980	1.26	0.87	0.87	1.08	0.75	0.50	0.48
1981	1.42	1.05	1.03	1.30	1.02	0.51	0.66
1982	1.34	0.98	0.97	1.31	0.95	0.52	0.63
1983	1.20	0.93	0.88	1.25	1.05	0.56	0.67
1984	1.19	0.92	0.86	1.23	1.07	0.54	0.64
1985	1.21	0.95	0.84	1.20	1.20	0.60	0.64
1986	0.91	0.77	0.60	1.01	0.57	0.62	0.41
1987	0.95	0.81	0.59	0.91	0.60	0.60	0.38
1988	0.90	0.74	0.56	0.89	0.54	0.61	0.33
1989	1.05	0.88	0.61	1.00	0.76	0.65	0.31
1990	1.19	1.05	0.81	1.12	0.89	0.76	0.33
1991	1.18	0.99	0.68	1.05	0.84	0.67	0.30
1992	1.14	0.95	0.63	1.03	0.81	0.63	0.30
1993	\$1.12	\$0.93	\$0.59	\$0.99	\$0.78	\$0.64	\$0.29

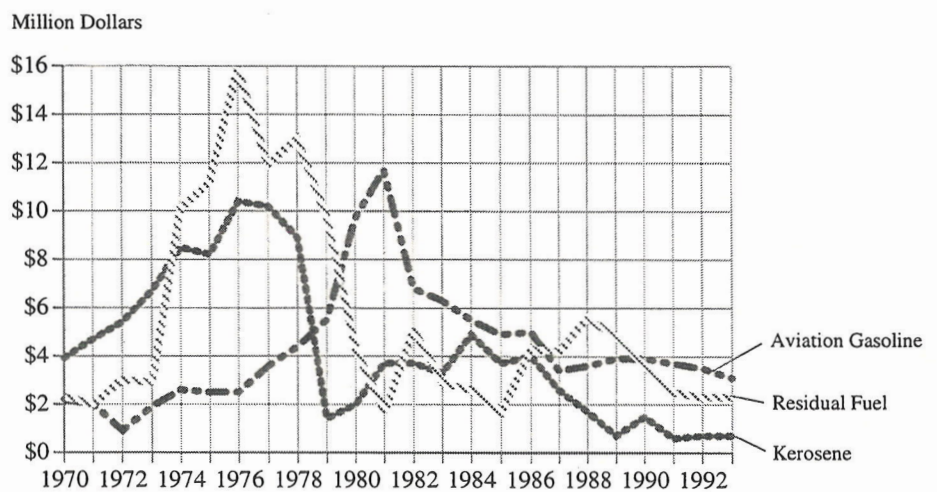
Sources: State Energy Price and Expenditure Report, 1992. Energy Information Administration, U.S. Department of Energy. Washington, D.C. December 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

Figure 43
Expenditures by Product, Nebraska, 1970-1993



Expenditures on petroleum decreased to \$1,584.4 million (\$1.58 billion) in 1993, a 2.1% decrease from 1992 expenditures. Peak expenditures for petroleum were \$1,694.9 million set in 1990.

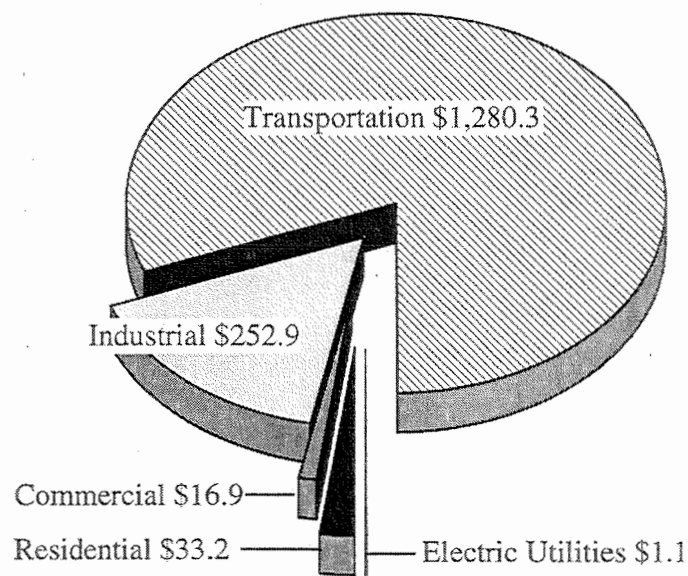
Note: *-Other includes asphalt, road oil, lubricants and other specialty products.



	Motor Gasoline	Distillate Fuel	Jet Fuel	Aviation Gasoline	Kerosene	Propane	Residual Fuel	Other*	Total
1970	\$294.4	\$41.4	\$7.3	\$2.2	\$3.9	\$33.2	\$2.3	\$20.2	\$404.8
1971	303.0	43.9	7.0	2.0	4.7	31.8	2.0	20.4	414.8
1972	321.3	53.4	6.6	0.9	5.4	36.0	3.0	21.3	447.9
1973	353.0	69.4	7.7	1.9	6.7	49.6	2.9	22.7	513.9
1974	460.9	113.2	14.5	2.6	8.5	57.9	10.1	34.5	702.2
1975	516.3	117.9	19.3	2.5	8.2	65.4	11.2	34.2	775.1
1976	574.0	158.2	21.1	2.5	10.4	82.8	15.9	31.4	896.3
1977	606.7	185.6	26.2	3.6	10.2	83.6	11.9	31.8	959.6
1978	639.3	225.4	31.9	4.4	8.9	72.6	13.0	43.1	1,038.6
1979	801.0	317.5	42.3	5.5	1.4	72.5	9.8	54.2	1,304.2
1980	1,008.9	332.7	56.2	9.7	2.0	94.2	4.3	56.2	1,564.1
1981	1,095.0	362.4	60.9	11.7	3.7	84.9	1.7	65.5	1,685.7
1982	1,027.3	380.8	57.2	6.8	3.7	105.4	5.1	57.4	1,643.7
1983	904.3	451.6	53.1	6.3	3.3	113.5	2.9	58.2	1,593.3
1984	896.6	461.2	48.1	5.5	4.9	80.1	2.6	61.4	1,560.5
1985	901.2	494.9	45.9	4.9	3.7	65.3	1.7	59.2	1,576.8
1986	679.4	388.1	32.8	5.0	4.0	64.1	4.3	68.3	1,246.1
1987	710.3	420.7	32.9	3.4	2.6	80.6	4.2	73.4	1,328.1
1988	706.3	437.4	34.2	3.6	1.7	89.0	5.6	73.3	1,351.1
1989	814.2	461.0	37.1	3.9	0.7	98.2	4.8	68.3	1,488.0
1990	914.9	551.7	50.0	3.9	1.5	93.2	3.6	76.1	1,694.9
1991	881.7	539.4	33.1	3.7	0.6	89.2	2.5	78.1	1,629.0
1992	857.8	563.6	30.7	3.5	0.7	85.5	2.3	74.3	1,618.3
1993	\$868.5	\$521.8	\$31.1	\$3.1	\$0.7	\$81.0	\$2.3	\$75.9	\$1,584.4

Sources: State Energy Price and Expenditure Report, 1992. Energy Information Administration, U.S. Department of Energy. Washington, D.C. December 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

Figure 44
Expenditures by Sector, Nebraska, 1993
 (Million Dollars)



	Residential	Commercial	Industrial	Transportation	Electric Utilities	Total
1970	\$30.4	\$6.8	\$49.6	\$317.0	\$1.0	\$404.8
1971	29.1	7.2	53.8	323.9	0.9	414.8
1972	33.2	7.7	51.3	353.2	2.4	447.9
1973	47.9	8.0	48.8	407.1	2.1	513.9
1974	46.5	13.3	107.4	527.6	7.3	702.2
1975	50.1	13.3	123.0	578.3	10.5	775.1
1976	60.8	17.4	150.3	653.2	14.7	896.3
1977	59.2	17.6	150.0	721.9	11.0	959.6
1978	51.8	18.0	171.3	782.2	15.2	1,038.6
1979	46.2	23.1	235.5	986.6	12.9	1,304.2
1980	50.0	20.5	253.9	1,233.1	6.7	1,564.1
1981	53.5	29.9	269.1	1,329.4	3.7	1,685.7
1982	58.0	28.3	266.7	1,285.6	5.1	1,643.7
1983	58.7	44.1	270.9	1,216.8	2.7	1,593.3
1984	45.4	40.6	254.4	1,218.7	1.5	1,560.5
1985	43.5	44.6	310.0	1,176.5	2.1	1,576.8
1986	26.0	17.1	222.7	978.4	1.9	1,246.1
1987	29.6	19.0	237.8	1,040.1	1.6	1,328.1
1988	29.4	16.6	230.5	1,072.3	2.4	1,351.1
1989	42.9	17.1	253.0	1,172.8	2.1	1,488.0
1990	34.4	22.0	295.1	1,342.2	1.3	1,694.9
1991	38.1	16.7	283.5	1,289.9	0.8	1,629.0
1992	35.1	17.7	263.1	1,301.8	0.7	1,618.3
1993	\$33.2	\$16.9	\$252.9	\$1,280.3	\$1.1	\$1,584.4

Sources: *State Energy Price and Expenditure Report, 1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. December 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

Figure 45
Gasoline Available for Sale, Nebraska, Monthly 1982-1993

(Thousand Gallons)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	53,342	43,980	41,869	40,850	36,393	36,608	37,346	37,367	33,581	29,389	29,636	26,188
February	48,951	38,153	36,615	37,753	33,284	33,863	37,704	37,703	34,048	27,657	27,780	31,206
March	56,114	57,971	43,382	43,425	45,708	41,729	44,219	45,478	42,911	31,784	29,624	34,549
April	66,623	48,301	46,025	43,010	44,829	44,192	43,974	42,030	39,197	35,712	34,041	35,040
May	63,976	51,218	53,500	48,640	51,223	45,726	44,413	44,771	44,771	37,310	35,847	37,176
June	63,044	57,553	51,757	49,000	52,862	48,087	55,186	55,882	45,221	38,963	37,732	44,653
July	67,722	52,813	53,862	46,757	51,176	54,785	47,926	40,166	49,445	42,801	37,131	48,039
August	61,203	53,251	55,407	47,603	55,200	46,605	50,543	49,926	49,413	39,052	37,475	50,154
September	55,780	50,055	46,751	43,048	42,210	47,318	46,516	42,888	37,654	36,593	37,604	46,389
October	57,586	48,936	51,372	50,975	54,900	50,859	47,907	46,510	40,457	37,170	37,585	45,965
November	57,039	43,022	47,936	43,266	44,563	39,383	44,594	41,980	39,168	29,410	32,716	44,007
December	51,503	48,331	43,140	40,446	50,126	44,989	42,049	45,334	39,016	31,809	36,177	47,776
Total	702,883	593,584	571,616	534,773	562,474	534,144	542,377	530,035	494,882	417,650	413,348	491,142

Source: Nebraska Department of Roads *Monthly Fuel Consumption Report*.

Gasohol — 10% ethanol/90% gasoline — use in Nebraska of 279,813 (280 million) gallons in 1993 was a 24.7% decrease over the record total of 371,792 thousand gallons used in 1992. This decrease was primarily the result of the end of the 2¢ tax credit at the pump for gasohol on December 31, 1992.

Figure 46
Gasohol Available for Sale, Nebraska, Monthly 1982-1993

(Thousand Gallons)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	3,637	11,338	16,170	18,303	18,634	16,889	19,572	19,720	21,814	25,616	29,791	29,705
February	4,016	11,063	15,095	17,449	16,508	17,317	19,360	20,230	21,031	23,913	28,096	21,675
March	4,817	13,362	15,659	19,720	20,443	20,401	21,048	23,387	25,068	26,940	30,370	25,844
April	4,762	12,522	15,809	20,108	19,892	19,350	19,595	20,465	23,364	28,879	31,374	25,279
May	4,647	14,199	17,552	22,313	19,160	21,736	22,438	22,971	25,845	31,384	32,231	22,860
June	6,180	16,010	18,739	22,160	18,427	21,322	23,733	24,628	25,281	30,253	32,186	21,764
July	7,279	14,779	17,639	20,405	17,264	21,953	21,680	21,939	26,059	31,531	31,352	22,320
August	9,254	17,867	18,952	21,392	16,625	20,524	22,518	24,133	25,319	31,252	31,963	21,435
September	10,454	18,531	17,283	19,861	15,489	20,081	21,294	22,174	25,783	29,305	30,519	21,399
October	11,030	17,430	18,297	20,254	18,257	21,676	22,876	22,734	26,764	31,436	31,576	20,384
November	11,404	17,307	18,606	20,355	14,927	18,622	21,916	23,863	25,123	28,451	30,278	22,911
December	12,218	18,937	18,654	20,340	20,730	22,112	22,043	24,938	29,181	31,656	32,056	24,237
Total	89,698	183,345	208,455	242,660	216,356	241,983	258,073	271,182	300,632	350,616	371,792	279,813

Source: Nebraska Department of Roads *Motor Fuel Consumption Report*.

Note: For purposes of the Nebraska motor vehicle fuels tax, gasohol is defined as gasoline containing a minimum of 10% agricultural ethyl alcohol which is at least 99% pure.

Figure 47
Highway Diesel Available for Sale, Nebraska, Monthly 1982-1993

(Thousand Gallons)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	11,304	11,525	11,804	13,056	12,758	12,341	14,355	13,436	13,534	18,143	21,310	21,866
February	14,097	12,918	13,331	15,214	14,961	14,873	15,307	14,992	15,425	15,344	18,091	16,647
March	15,767	16,723	17,679	17,110	17,529	17,985	21,273	20,073	19,711	16,714	18,336	17,245
April	12,776	11,888	12,949	13,528	13,826	14,257	15,485	15,349	17,546	20,360	24,254	22,270
May	15,091	14,921	18,334	17,155	17,398	17,959	18,466	19,215	20,746	19,237	20,085	20,398
June	15,656	17,326	16,283	17,826	17,850	18,653	22,173	19,564	20,646	18,310	17,266	22,431
July	12,101	12,278	13,603	12,974	13,763	14,672	15,513	13,950	20,040	19,905	16,609	19,794
August	13,462	16,054	16,833	16,887	17,683	17,800	19,551	21,078	18,815	18,490	17,610	24,835
September	17,663	18,081	17,898	18,233	18,049	21,536	22,838	18,635	19,112	18,374	17,688	24,381
October	14,114	14,487	14,941	14,891	15,284	16,456	18,123	16,936	20,159	21,774	19,079	21,067
November	16,298	15,469	16,953	16,580	16,517	17,100	19,396	19,190	16,745	19,451	17,013	24,718
December	15,324	16,163	16,425	16,767	17,127	19,991	17,326	18,305	18,472	16,782	16,805	24,824
Total	173,653	177,833	187,033	190,221	192,745	203,623	219,806	210,723	220,951	222,884	224,146	260,476

Source: Department of Roads *Monthly Motor Fuel Consumption Report*.

Figure 48
Aviation Fuel Available for Sale, Nebraska, Monthly 1983-1993

	(Thousand Gallons)										
	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	1,837	2,378	1,742	2,082	1,598	2,122	2,216	2,863	2,349	2,292	2,329
February	1,559	2,002	1,769	1,779	1,510	2,145	1,944	2,602	2,203	1,859	2,104
March	1,721	2,177	1,976	1,960	1,841	2,386	2,531	2,753	2,343	2,210	2,695
April	2,466	2,359	1,895	1,690	1,661	2,113	2,290	2,721	2,192	2,063	2,495
May	2,217	2,464	2,412	2,068	1,684	2,075	2,469	2,796	2,558	2,047	2,332
June	2,167	2,209	2,062	2,080	2,020	2,296	2,087	2,641	2,458	2,406	2,644
July	2,489	2,578	2,266	2,358	2,237	2,728	2,595	2,711	3,042	2,723	2,398
August	2,614	2,579	2,224	2,321	2,319	2,304	2,345	2,949	2,584	2,520	2,764
September	3,174	2,076	1,952	1,826	2,297	2,129	1,748	2,714	2,504	2,286	2,315
October	2,508	2,111	2,196	1,861	2,109	1,924	2,140	2,722	2,668	2,545	2,192
November	2,337	2,052	2,152	1,666	1,974	2,150	2,208	2,820	1,941	2,143	2,155
December	2,833	2,334	2,381	1,649	2,122	2,277	2,704	2,800	2,414	2,838	2,347
Total	27,922	27,319	25,027	23,340	23,372	26,649	27,277	33,092	29,256	27,932	28,770

Source: Form EIA-782C: Monthly Report of Petroleum Products Sold Into States for Consumption. Filed by prime suppliers.

Note: Aviation fuel includes jet fuel and aviation gasoline.

Figure 49
Propane Available for Sale, Nebraska, Monthly 1983-1993

	(Thousand Gallons)										
	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	15,456	16,267	15,407	9,079	9,020	17,246	12,400	7,923	14,681	9,965	12,043
February	13,106	9,917	10,899	8,419	6,660	12,896	14,628	10,120	7,176	7,098	11,646
March	11,911	9,957	8,404	8,923	6,492	9,323	10,165	7,535	5,687	5,507	8,743
April	10,055	7,413	4,680	4,236	5,496	5,023	4,808	4,099	3,494	3,981	4,774
May	4,933	4,634	2,866	4,443	2,325	4,056	4,332	4,354	2,395	3,193	2,340
June	4,123	4,349	5,620	5,691	7,247	12,570	5,779	4,029	6,965	3,887	2,607
July	13,116	13,591	14,262	9,412	12,992	12,790	12,156	15,433	18,916	6,332	2,868
August	10,978	16,315	7,776	8,471	7,984	13,481	14,682	11,404	12,523	6,729	7,329
September	14,385	11,453	10,675	8,101	10,250	12,261	9,579	9,236	11,107	7,191	8,180
October	10,754	26,169	24,331	16,193	18,619	14,347	12,438	11,253	6,968	13,504	13,704
November	9,151	16,676	21,237	16,456	7,720	9,801	8,703	8,221	9,339	20,818	13,281
December	22,088	11,648	16,206	11,461	12,761	12,598	18,621	13,699	9,681	16,441	9,980
Total	140,056	148,389	142,363	110,885	107,566	136,392	128,291	107,306	108,932	104,646	97,495

Source: Form EIA-782C: Monthly Report of Petroleum Products Sold into States for Consumption. Filed by prime suppliers.

Figure 50
Unleaded Gasoline Prices at Self-Service Pumps, Nebraska, Monthly 1982-1993

	(Cents/Gallon)											
	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	132.6¢	120.3¢	122.7¢	114.8¢	121.6¢	84.2¢	88.5¢	89.6¢	106.3¢	125.2¢	104.5¢	113.2¢
February	131.3	117.5	121.7	108.4	108.3	89.1	86.6	91.8	107.2	123.6	107.7	111.0
March	127.5	115.4	121.4	112.8	93.1	87.1	88.5	92.5	104.3	112.5	109.7	113.5
April	118.5	119.8	122.0	117.1	86.5	94.6	89.7	105.8	109.8	121.1	112.9	115.1
May	120.0	124.2	123.0	122.2	89.3	93.2	93.9	115.0	111.1	123.8	117.8	116.1
June	128.9	126.1	122.7	124.2	97.6	97.9	94.5	114.8	114.5	122.1	120.1	116.3
July	132.5	126.0	121.0	127.1	93.9	1.9	96.5	118.9	111.2	121.5	118.0	113.0
August	131.8	126.5	119.5	127.6	88.1	101.7	1.1	116.8	120.0	120.8	119.7	108.9
September	129.4	126.6	118.4	125.9	91.3	101.2	97.3	114.1	140.0	117.0	120.3	111.2
October	127.2	126.0	118.8	120.2	86.4	98.2	95.7	110.4	143.9	112.7	117.4	118.8
November	127.5	124.5	118.5	123.5	82.9	99.4	94.2	106.5	134.5	120.4	119.3	114.8
December	127.2¢	124.4¢	117.1¢	123.5¢	80.7¢	96.5¢	92.7¢	102.9¢	135.2¢	114.3¢	112.3¢	108.4¢
Average	127.7¢	123.4¢	120.5¢	120.9¢	92.5¢	95.8¢	93.5¢	107.1¢	119.1¢	119.1¢	115.0¢	113.4¢

Sources: Monthly Price Survey. AAA Cornhusker Motor Club. Omaha, Nebraska. Monthly. Annual Averages. Nebraska Energy Office.

Note: Average annual prices are weighted by quantity of unleaded gasoline available for sale.

Figure 51
Unleaded Gasohol Prices at Self-Service Pumps, Nebraska, Monthly 1982-1993
 (Cents/Gallon)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	135.5¢	123.7¢	125.4¢	114.6¢	120.1¢	82.9¢	84.7¢	86.2¢	101.9¢	123.6¢	100.2¢	112.6¢
February	134.4	121.4	123.3	109.6	106.5	86.3	85.7	88.6	102.8	120.7	104.4	110.9
March	129.8	118.5	123.7	113.8	91.3	85.1	85.0	90.2	98.2	107.8	106.5	114.7
April	122.8	123.6	124.1	117.5	84.4	93.0	87.5	103.1	106.2	117.7	107.5	114.4
May	123.6	126.0	124.4	119.7	89.4	91.4	90.2	110.8	106.2	120.4	114.8	115.4
June	131.9	128.6	123.2	122.6	98.8	95.9	89.0	112.6	109.2	118.8	117.1	116.1
July	135.4	129.7	121.0	126.6	94.8	101.4	92.6	114.8	106.6	118.3	114.3	112.3
August	134.1	129.9	118.7	126.8	90.0	99.2	97.4	110.8	115.8	117.8	117.0	108.3
September	132.9	129.1	118.1	124.3	90.1	97.9	92.7	108.5	138.5	113.7	117.6	110.5
October	132.1	125.9	119.8	119.1	87.0	92.3	90.9	104.9	139.1	109.1	116.4	118.2
November	130.5	126.2	118.8	121.5	81.6	95.8	91.3	100.1	129.6	117.0	116.8	113.8
December	130.2¢	126.5¢	115.7¢	122.6¢	82.0¢	92.3¢	89.6¢	97.6¢	131.5¢	110.4¢	109.5¢	107.4¢
Average	131.4¢	126.2¢	121.2¢	120.1¢	92.6¢	93.0¢	89.9¢	102.6¢	114.7¢	115.6¢	111.8¢	112.9¢

Sources: *Monthly Price Survey*. AAA Cornhusker Motor Club. Omaha, Nebraska. Monthly. Annual Averages. Nebraska Energy Office.
 Note: Annual average prices are weighted by the quantity of gasohol available for sale.

Figure 52
Diesel Fuel Prices at Full-Service Pumps, Nebraska, Monthly 1982-1993
 (Cents/Gallon)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	135.8¢	125.6¢	134.2¢	128.3¢	138.7¢	101.3¢	0.0¢	104.2¢	139.8¢	147.6¢	111.8¢	116.2¢
February	133.6	118.9	132.5	124.9	116.2	104.8	105.7	106.2	114.2	133.8	113.8	116.9
March	129.9	112.0	130.3	123.2	106.9	102.4	102.8	106.6	112.0	123.6	117.8	117.5
April	122.1	110.0	126.2	127.6	104.7	104.7	107.9	116.9	114.0	122.9	117.2	120.5
May	122.9	119.0	125.2	131.6	103.1	103.9	109.5	115.7	113.5	119.9	117.6	118.9
June	131.5	120.6	128.5	128.9	99.9	107.7	108.2	109.2	105.4	117.0	118.9	121.9
July	130.4	123.6	130.0	128.7	94.2	108.4	96.6	108.8	101.9	112.8	123.5	116.8
August	131.2	123.2	131.1	127.9	91.3	107.0	97.9	106.9	134.2	119.3	123.1	112.2
September	129.2	126.8	130.9	128.7	98.1	111.1	99.8	117.2	141.3	125.5	121.6	115.8
October	128.9	129.8	131.2	129.9	94.6	107.2	99.5	115.5	154.6	122.7	124.4	131.2
November	134.9	128.0	131.7	135.7	94.9	116.8	95.7	115.2	154.8	130.8	125.0	133.1
December	131.0¢	130.7¢	130.9¢	137.5¢	98.6¢	109.8¢	102.6¢	117.9¢	151.2¢	130.0¢	118.4¢	121.9¢
Average	129.5¢	122.6¢	129.9¢	129.3¢	101.4¢	107.3¢	102.4¢	111.9¢	126.8¢	123.1¢	119.4¢	120.2¢

Sources: *Comparative Fuel Report*. Household Goods Carriers Bureau. Arlington, Virginia. Monthly. Annual Averages. Nebraska Energy Office.
 Note: Annual average prices are weighted by the quantity of middle distillates available for sale.

Figure 53
Sales of Distillate Fuel Oil by End Use, Nebraska, 1984-1993
 (Thousand Gallons)

End Use	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Residential	13,362	14,563	12,622	9,150	8,736	12,598	8,499	8,353	6,251	7,332
Commercial	44,828	34,230	14,857	16,066	13,128	11,519	12,488	7,743	11,604	13,368
Industrial	7,464	8,767	8,328	4,438	5,350	6,080	5,563	4,228	6,630	5,734
Oil Company	189	112	706	682	479	27	46	70	29	9
Farm	161,263	154,349	162,835	151,390	166,328	175,469	188,698	181,956	194,423	195,278
Electric Utility	3,047	214	246	2,105	582	3,211	2,082	1,064	674	1,272
Railroad	92,512	89,555	100,936	114,566	154,686	121,912	107,399	112,358	126,990	107,504
Vessel Bunkering	0	47	0	0	0	80	0	0	0	0
On-Highway	181,983	186,417	188,890	201,094	217,014	208,258	218,344	220,319	242,727	257,871
Military	860	435	408	1,362	1,489	1,281	350	2,470	327	395
Off-Highway	16,108	20,354	17,673	19,323	18,921	20,582	14,156	10,691	10,325	14,265
All Other	6,338	68	957	260	0	0	0	0	0	0
Total	527,955	509,111	508,458	520,436	586,713	561,017	557,585	549,251	599,980	603,029

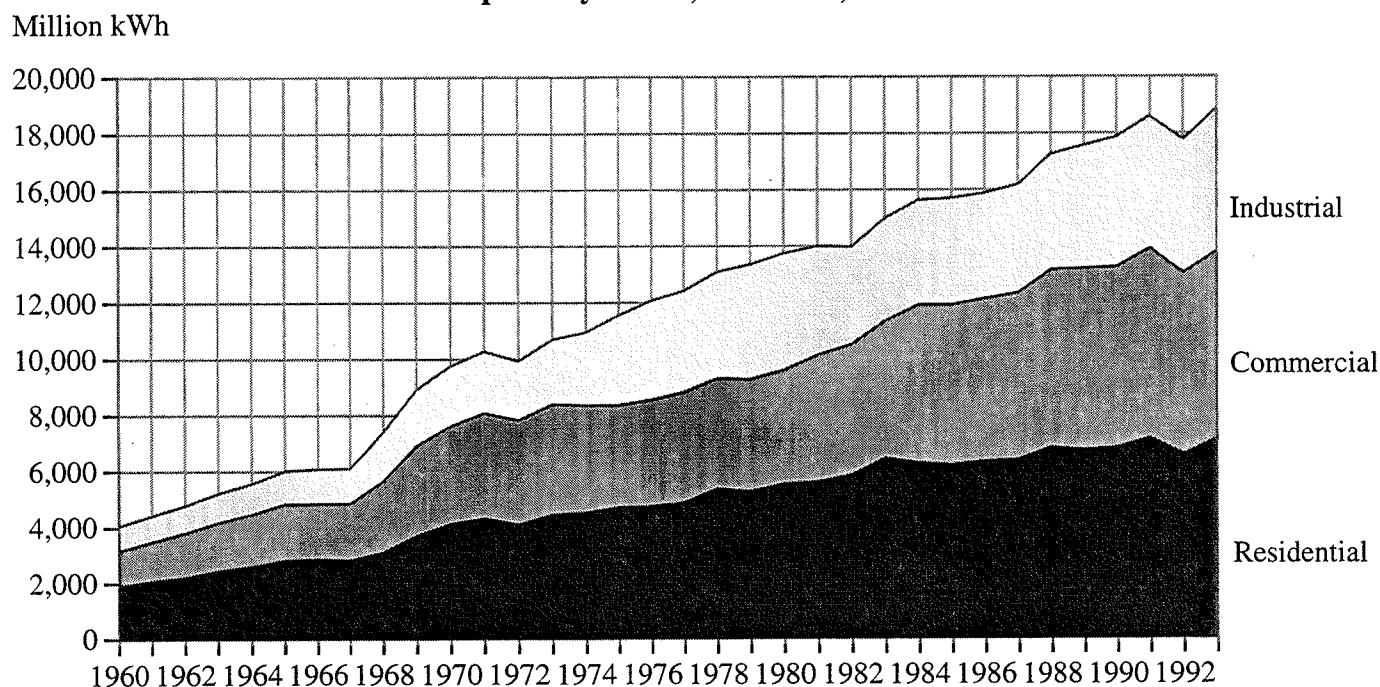
Source: *Fuel Oil and Kerosene Sales*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. Annual.

Electricity

Electricity use in Nebraska increased to 18,867 million kilowatthours in 1993, a 6.2% increase from 1992 and 1.4% above the record set in 1991. Electricity use increased 8.5% in the residential sector, increased 3.6% in the commercial sector and increased 6.3% in the industrial sector.

Figure 54

Consumption by Sector, Nebraska, 1960-1993



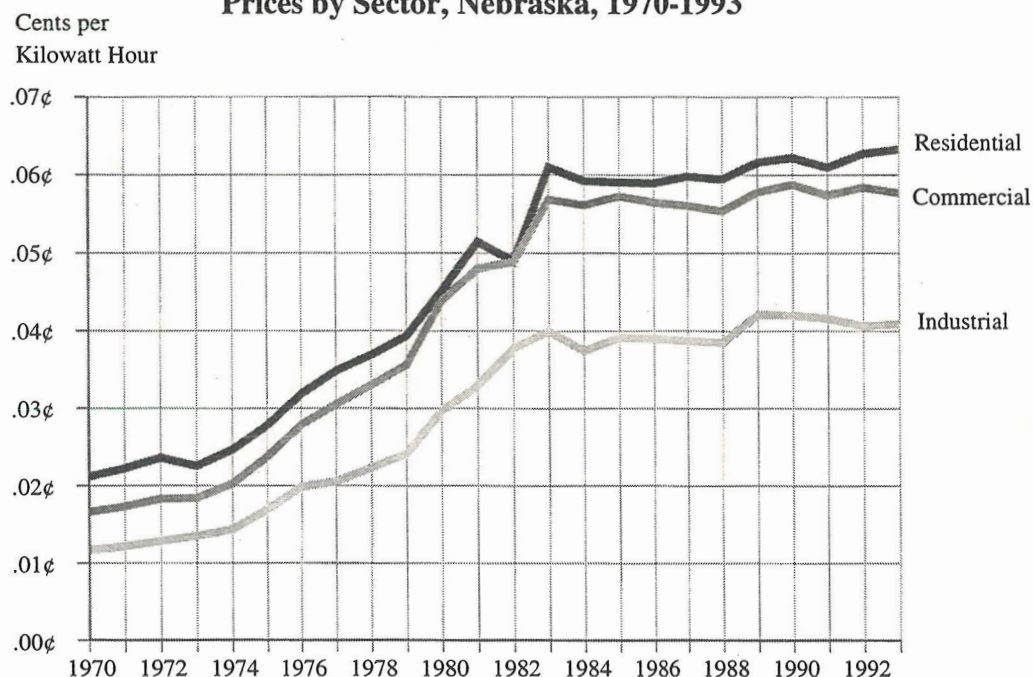
	Residential	Commercial	Industrial	Total
1960	1,907	1,269	889	4,065
1961	2,082	1,409	937	4,428
1962	2,221	1,589	979	4,789
1963	2,442	1,740	1,039	5,221
1964	2,607	1,870	1,094	5,571
1965	2,816	2,025	1,182	6,023
1966	2,850	1,996	1,252	6,098
1967	2,816	2,036	1,250	6,102
1968	3,099	2,549	1,743	7,391
1969	3,682	3,229	2,005	8,916
1970	4,107	3,505	2,145	9,757
1971	4,308	3,770	2,193	10,271
1972	4,081	3,746	2,102	9,929
1973	4,436	3,957	2,310	10,703
1974	4,512	3,833	2,606	10,951
1975	4,693	3,660	3,200	11,553
1976	4,722	3,817	3,542	12,081
1977	4,859	3,957	3,599	12,415
1978	5,347	3,964	3,784	13,095
1979	5,263	4,014	4,079	13,356

	Residential	Commercial	Industrial	Total
1980	5,521	4,068	4,155	13,744
1981	5,601	4,524	3,881	14,006
1982	5,845	4,665	3,462	13,972
1983	6,438	4,886	3,665	14,989
1984	6,268	5,643	3,725	15,636
1985	6,195	5,714	3,794	15,703
1986	6,325	5,798	3,757	15,880
1987	6,378	5,956	3,851	16,185
1988	6,813	6,342	4,104	17,259
1989	6,723	6,473	4,370	17,566
1990	6,800	6,451	4,618	17,869
1991	7,138	6,777	4,690	18,605
1992	6,561	6,470	4,752	17,783
1993	7,116	6,700	5,051	18,867

Sources: *State Energy Data Report, Consumption Estimates, 1960-1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. May 1994.
1993 Electric Power Monthly. Energy Information Administration, U.S. Department of Energy. Washington, D.C. Monthly.

Prices for electricity increased 1.0% in the residential sector in 1993, decreased by 1.2% in the commercial sector and increased by 0.7% in the industrial sector.

Figure 55
Prices by Sector, Nebraska, 1970-1993

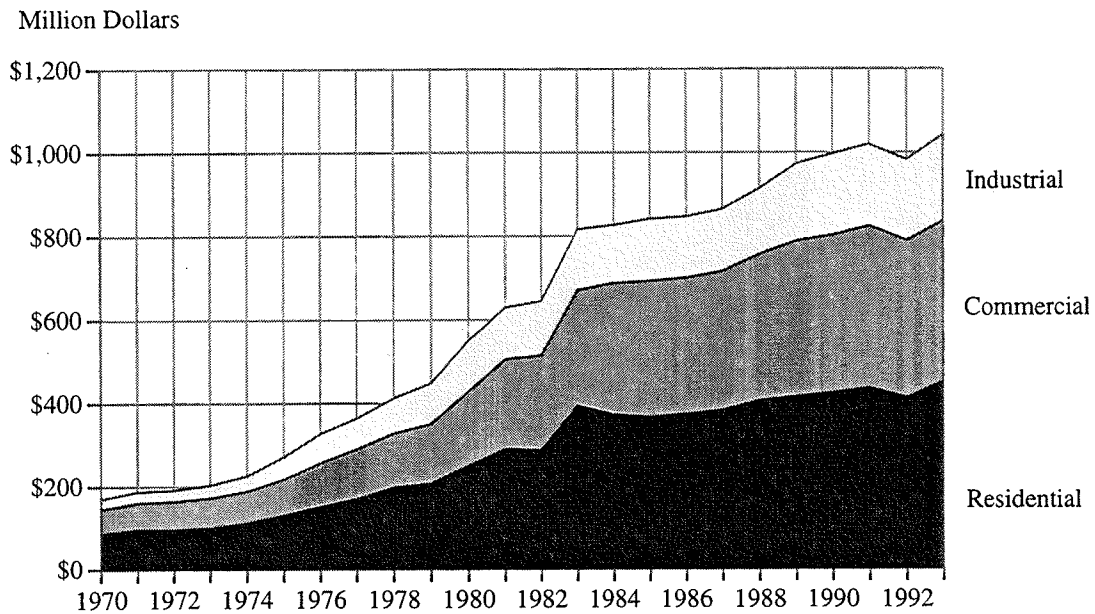


	Residential	Commercial	Industrial	Average
1970	2.12¢	1.66¢	1.17¢	1.75¢
1971	2.23	1.73	1.22	1.83
1972	2.36	1.83	1.28	1.94
1973	2.25	1.84	1.35	1.90
1974	2.46	2.03	1.43	2.07
1975	2.78	2.38	1.69	2.35
1976	3.18	2.79	1.99	2.71
1977	3.48	3.05	2.06	2.93
1978	3.69	3.30	2.23	3.15
1979	3.93	3.56	2.41	3.36
1980	4.51	4.39	2.97	4.01
1981	5.14	4.80	3.30	4.53
1982	4.89	4.89	3.78	4.61
1983	6.10	5.69	4.00	5.45
1984	5.92	5.61	3.74	5.29
1985	5.90	5.73	3.92	5.36
1986	5.89	5.65	3.90	5.33
1987	5.98	5.61	3.87	5.34
1988	5.95	5.54	3.85	5.30
1989	6.16	5.78	4.21	5.54
1990	6.22	5.88	4.20	5.58
1991	6.10	5.74	4.16	5.48
1992	6.27	5.84	4.06	5.52
1993	6.33¢	5.77¢	4.09¢	5.53¢

Sources: *State Energy Price and Expenditure Report, 1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. December 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

Expenditures for electricity decreased to \$1,043.7 million in 1993, 6.3% more than the \$982.0 million spent on electricity in 1992.

Figure 56
Expenditures by Sector, Nebraska, 1970-1993



Sources: *State Energy Price and Expenditure Report, 1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. December 1994.
1993 Preliminary Estimates. Nebraska Energy Office.

Figure 57
Monthly Sales, Nebraska, 1983-1993
 (Million Kilowatthours)

Residential Consumers											
	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	561	659	626	648	633	665	601	690	778	687	702
February	516	525	609	539	513	589	591	574	587	594	629
March	452	499	506	504	490	541	583	542	568	530	628
April	459	468	425	446	463	445	476	502	487	514	530
May	375	410	386	384	447	419	438	455	504	461	449
June	385	423	418	427	580	599	481	554	652	481	506
July	677	618	579	746	768	797	763	787	837	626	699
August	834	700	586	728	800	852	732	714	768	613	754
September	773	614	559	515	510	593	549	753	695	547	552
October	426	411	435	449	399	441	431	508	510	470	456
November	405	425	410	418	439	444	459	513	577	564	530
December	573	529	612	580	572	578	629	633	637	721	681
Total	6,436	6,281	6,151	6,384	6,614	6,963	6,733	7,225	7,600	6,808	7,116

Commercial Consumers											
	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	405	454	453	519	522	539	516	520	554	526	564
February	398	407	448	481	471	494	517	470	476	502	525
March	355	414	404	464	460	489	514	468	486	485	530
April	371	381	381	449	460	469	495	462	461	485	501
May	329	371	396	452	484	476	504	461	520	517	494
June	362	396	405	483	550	582	556	603	629	551	558
July	455	455	448	603	636	619	652	669	732	610	619
August	500	499	465	592	600	634	635	691	724	616	658
September	513	484	462	535	505	567	542	575	615	646	617
October	390	396	403	525	495	505	520	495	510	522	538
November	370	400	414	445	476	476	520	490	532	553	522
December	437	432	457	518	513	536	574	550	544	623	574
Total	4,885	5,089	5,136	6,066	6,172	6,386	6,545	6,454	6,783	6,636	6,700

Industrial Consumers											
	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	263	311	318	292	302	309	314	310	338	344	389
February	258	306	313	294	299	316	333	317	319	335	387
March	285	308	313	292	306	329	330	332	309	338	399
April	286	309	320	303	309	319	341	331	342	343	390
May	290	315	334	316	340	370	373	343	376	362	409
June	316	337	345	328	369	382	376	392	381	390	451
July	310	347	352	336	370	359	386	368	378	371	435
August	346	377	374	349	350	398	391	414	398	396	483
September	360	347	363	348	349	348	348	359	372	384	425
October	333	318	332	334	335	348	368	364	375	380	438
November	305	325	330	296	341	340	362	349	349	380	433
December	312	305	302	284	314	336	348	336	322	372	411
Total	3,664	3,905	3,996	3,772	3,984	4,154	4,270	4,215	4,259	4,395	5,050

All Consumers											
	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	1,228	1,424	1,397	1,459	1,457	1,512	1,431	1,519	1,670	1,557	1,655
February	1,172	1,239	1,370	1,313	1,283	1,399	1,441	1,362	1,382	1,431	1,541
March	1,092	1,221	1,223	1,261	1,256	1,358	1,426	1,342	1,363	1,353	1,558
April	1,116	1,159	1,125	1,198	1,232	1,233	1,312	1,290	1,291	1,341	1,421
May	994	1,097	1,115	1,153	1,269	1,265	1,314	1,259	1,399	1,339	1,352
June	1,063	1,155	1,168	1,238	1,499	1,562	1,413	1,548	1,663	1,422	1,515
July	1,442	1,420	1,379	1,686	1,774	1,774	1,801	1,825	1,947	1,607	1,752
August	1,681	1,576	1,425	1,668	1,751	1,884	1,758	1,820	1,890	1,624	1,895
September	1,646	1,445	1,384	1,398	1,365	1,508	1,439	1,688	1,681	1,578	1,595
October	1,150	1,125	1,170	1,308	1,229	1,294	1,319	1,367	1,391	1,372	1,433
November	1,081	1,151	1,155	1,158	1,256	1,260	1,340	1,352	1,459	1,497	1,485
December	1,322	1,265	1,371	1,383	1,399	1,449	1,551	1,520	1,503	1,717	1,667
Total	14,987	15,277	15,282	16,223	16,770	17,498	17,545	17,892	18,639	17,838	18,869

Source: *Electric Power Monthly*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. Monthly.

Figure 58

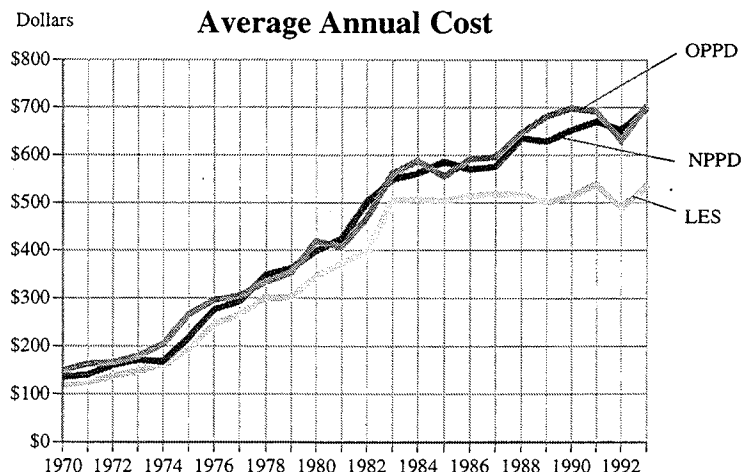
Residential Customers' Average Annual Cost, Price and Consumption, Nebraska's Three Largest Electric Utilities, 1970-1993

Year	Consumption in Kilowatthours			Cost in Dollars			Price in Cents per Kilowatthour		
	LES	NPPD	OPPD	LES	NPPD	OPPD	LES	NPPD	OPPD
1970	6,861	6,077	8,255	\$119	\$135	\$148	1.73¢	2.22¢	1.79¢
1971	7,239	6,333	8,400	124	140	163	1.71	2.21	1.94
1972	7,486	6,697	8,648	137	160	166	1.83	2.39	1.92
1973	7,754	7,059	9,104	148	171	179	1.91	2.42	1.97
1974	7,839	6,784	8,980	160	168	204	2.04	2.48	2.27
1975	8,223	7,842	9,780	193	218	266	2.34	2.78	2.72
1976	7,704	7,857	9,554	245	276	296	3.18	3.59	3.10
1977	7,872	7,959	9,633	265	293	305	3.36	3.73	3.17
1978	8,109	8,636	10,329	301	349	334	3.76	4.04	3.23
1979	7,459	8,572	9,901	301	362	353	4.03	4.23	3.56
1980	7,888	8,610	10,398	346	398	419	4.39	4.62	4.03
1981	7,115	8,055	9,579	373	425	407	5.24	5.28	4.25
1982	7,290	8,528	9,898	397	501	469	5.45	5.87	4.74
1983	8,119	9,053	10,926	505	549	561	6.22	6.07	5.14
1984	7,812	9,103	10,323	507	561	588	6.49	6.16	5.70
1985	7,621	9,221	9,750	503	586	555	6.60	6.25	5.70
1986	7,737	8,878	10,263	514	570	591	6.65	6.41	5.76
1987	8,054	8,996	10,261	518	575	596	6.43	6.39	5.81
1988	8,576	9,689	10,885	517	635	646	6.03	6.55	5.93
1989	8,378	9,554	10,439	500	628	681	5.97	6.57	6.52
1990	8,557	9,896	10,500	514	652	698	6.00	6.59	6.65
1991	9,066	10,277	10,886	539	670	691	5.94	6.52	6.35
1992	8,335	9,463	9,508	488	652	631	5.85	6.90	6.64
1993	8,793	10,452	10,360	\$537	\$698	\$704	6.10¢	6.68¢	6.79¢

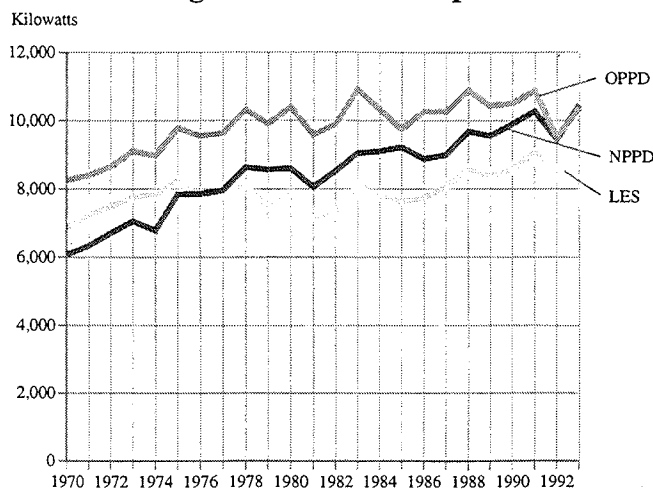
Sources: *Annual Report*, Lincoln Electric System (LES).
Lincoln, Nebraska. *Annual Report*, Nebraska Public
Power District (NPPD). Columbus, Nebraska. *Annual Report*, Omaha Public Power District (OPPD). Omaha, Nebraska.
Annual.

Notes: Lincoln Electric System data for 1970-1977 are based on a
fiscal year, other data is on a calendar year basis. Sales by the
Lincoln Electric System, Nebraska Public Power District and
Omaha Public Power District residential customers were 56% of
total residential consumption in Nebraska in 1993.

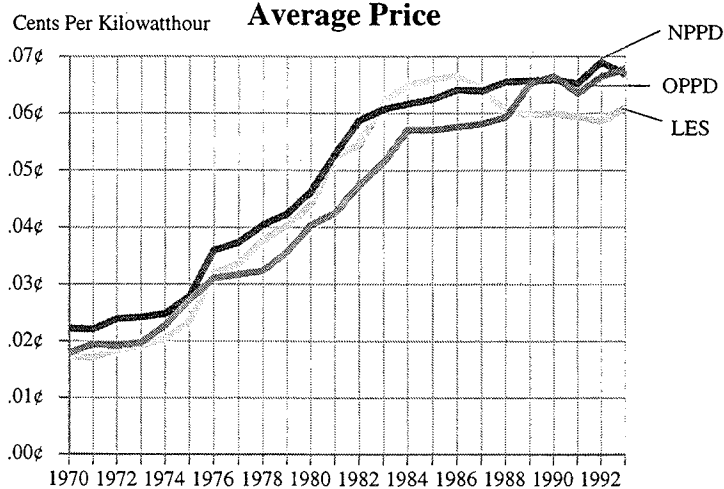
Average Annual Cost



Average Annual Consumption



Average Price



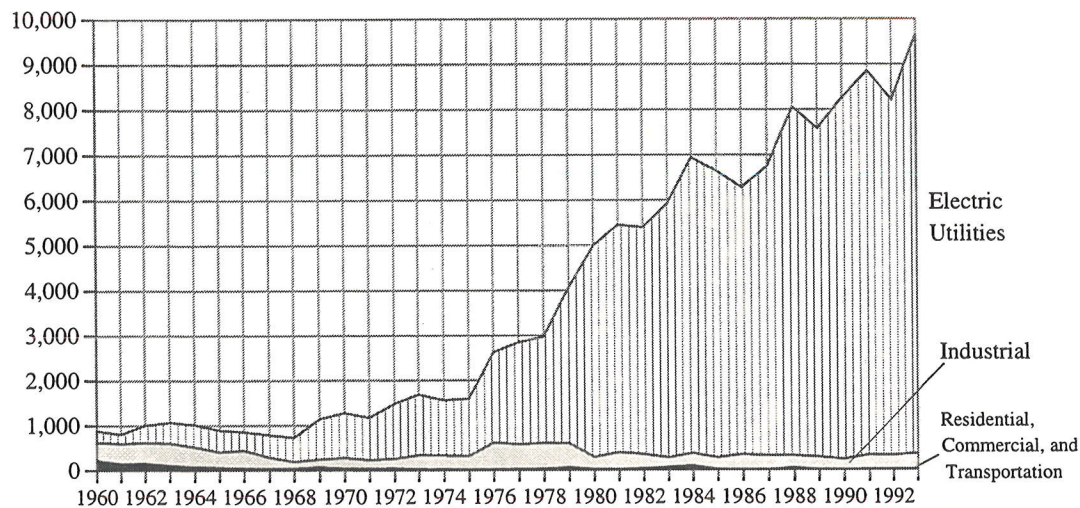
Coal

Coal use in Nebraska for 1993 was 9,666 thousand (9.666 million) short tons, a 17.7% increase over 1992. Coal use for electricity generation accounted for 96.2% of the coal used in Nebraska in 1993.

Figure 59

Consumption by Sector, Nebraska, 1960-1993

Thousand Short Tons



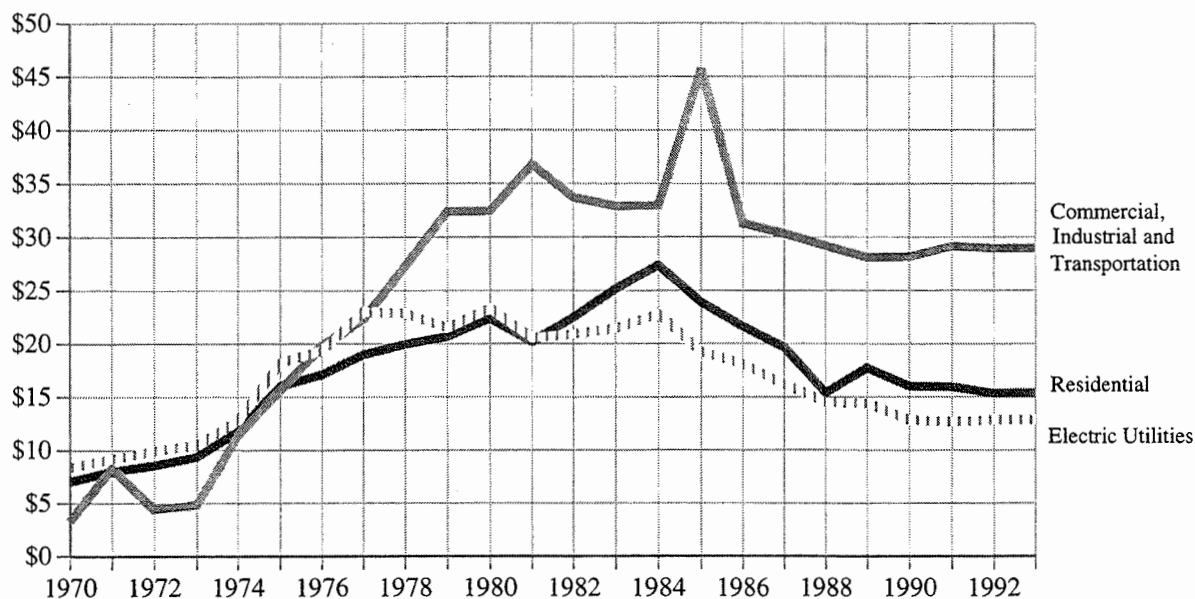
	Residential	Commercial	Industrial	Transportation	Electric Utilities	Total
1960	76	142	408	7	256	889
1961	52	96	449	2	209	808
1962	54	100	468	2	388	1012
1963	38	70	498	2	465	1073
1964	27	50	447	2	501	1026
1965	21	39	349	1	486	896
1966	16	30	395	1	417	860
1967	12	22	254	1	501	789
1968	12	23	159	0	534	729
1969	25	46	174	0	901	1,146
1970	13	24	240	0	1,006	1,283
1971	12	22	193	0	947	1,174
1972	15	27	218	0	1,228	1,488
1973	8	15	312	0	1,350	1,685
1974	5	9	319	0	1,228	1,561
1975	3	6	308	0	1,278	1,595
1976	4	7	604	0	2,012	2,626
1977	6	11	553	0	2,277	2,846
1978	8	15	576	0	2,367	2,967
1979	21	39	538	0	3,461	4,058
1980	7	12	269	0	4,702	4,990
1981	6	10	376	0	5,067	5,459
1982	9	18	325	0	5,048	5,399
1983	20	36	216	0	5,656	5,928
1984	32	59	280	0	6,569	6,939
1985	4	8	261	0	6,380	6,653
1986	1	3	339	0	5,945	6,288
1987	1	3	312	0	6,428	6,744
1988	16	29	268	0	7,744	8,057
1989	2	3	279	0	7,303	7,587
1990	1	3	235	0	8,027	8,266
1991	5	6	324	0	8,524	8,859
1992	3	3	325	0	7,881	8,212
1993	3	4	362	0	9,297	9,666

Sources: *State Energy Data Report, Consumption Estimates, 1960-1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. May 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

Coal prices for 1993 remained the same as in 1992. Coal prices have shown a general decline since peaking in the late 1970s.

Figure 60
Prices by Sector, Nebraska, 1970-1993

Dollars per Ton



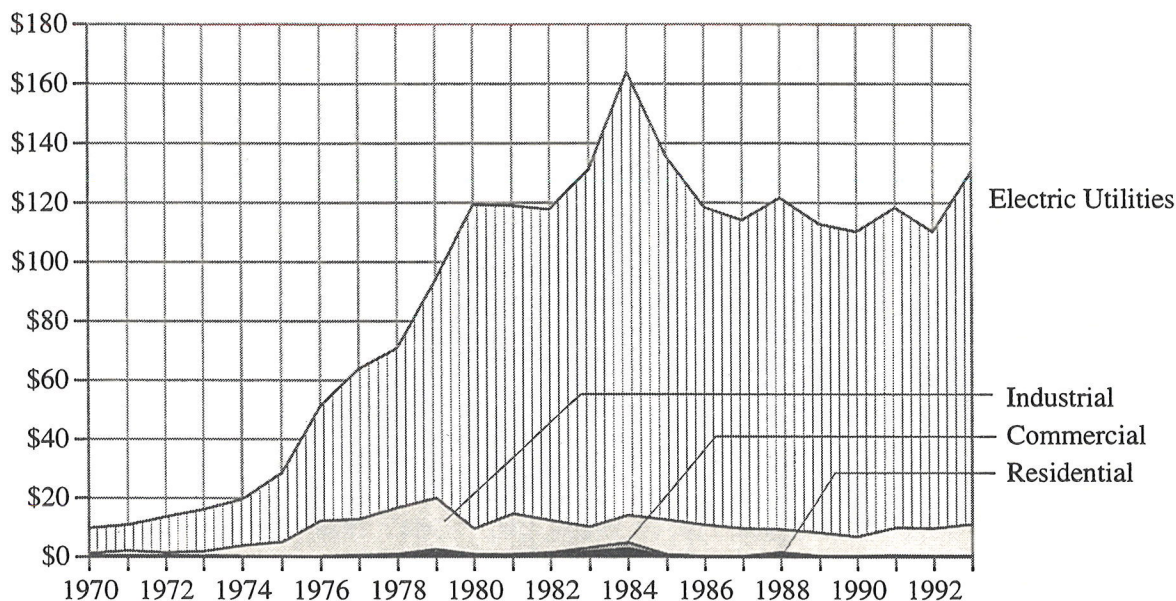
	Residential	Commercial, Industrial & Transportation	Electric Utilities
1970	\$7.03	\$3.28	\$8.37
1971	7.97	8.30	9.18
1972	8.55	4.43	9.90
1973	9.35	4.84	10.49
1974	11.75	11.41	12.75
1975	16.01	15.62	18.23
1976	17.12	19.82	19.37
1977	18.98	22.28	23.01
1978	19.94	27.26	22.84
1979	20.65	32.37	21.48
1980	22.37	32.44	23.32
1981	20.18	36.77	20.54
1982	22.46	33.71	20.89
1983	25.15	32.90	21.44
1984	27.36	32.97	22.78
1985	23.89	45.75	19.20
1986	21.64	31.30	18.12
1987	19.68	30.34	16.17
1988	15.35	29.21	14.48
1989	17.75	28.12	14.38
1990	16.03	28.17	12.84
1991	15.94	29.12	12.64
1992	15.33	28.96	12.83
1993	\$15.33	\$28.96	\$12.83

Sources: *State Energy Price and Expenditure Report, 1992*.
Energy Information Administration, U.S. Department of Energy.
Washington, D.C. December 1994. 1993 Preliminary Estimates.
Nebraska Energy Office.

Expenditures on coal in Nebraska increased to \$130.5 million in 1993, an 18.4% increase from 1992 expenditures. This compares to peak expenditures of \$164 million for coal in 1984.

Figure 61
Expenditures by Sector, Nebraska, 1970-1993

Million Dollars



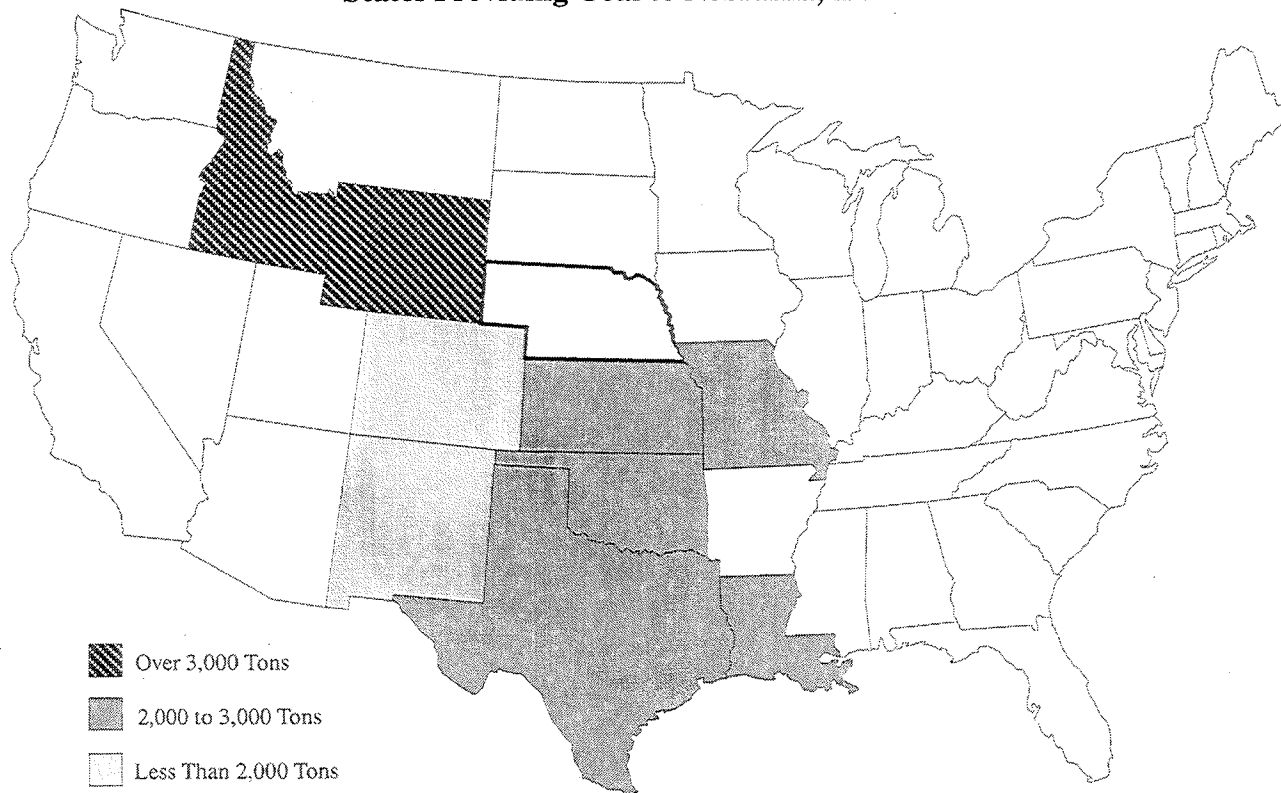
	Residential	Commercial	Industrial	Transportation	Electric Utilities	Total
1970	\$0.3	\$0.1	\$0.8	\$*	\$8.5	\$9.6
1971	0.2	0.2	1.6	*	8.8	10.8
1972	0.3	0.1	1.0	*	12.2	13.6
1973	0.2	0.1	1.5	*	14.2	16.0
1974	0.1	0.1	3.6	*	15.7	19.6
1975	0.1	0.1	4.8	*	23.4	28.4
1976	0.1	0.1	12.0	*	39.1	51.4
1977	0.3	0.2	12.3	*	51.0	63.8
1978	0.5	0.4	15.8	0.0	54.1	70.8
1979	1.4	1.2	17.4	0.0	74.1	94.1
1980	0.4	0.4	8.7	0.0	109.8	119.4
1981	0.4	0.4	13.8	0.0	104.4	119.0
1982	0.8	0.6	11.0	0.0	105.3	117.7
1983	1.8	1.3	7.1	0.0	121.0	131.1
1984	2.8	2.1	9.2	0.0	149.9	164.0
1985	0.3	0.4	11.9	0.0	122.9	135.5
1986	0.1	0.1	10.6	0.0	107.7	118.5
1987	0.1	0.1	9.4	0.0	104.5	114.1
1988	0.7	0.8	7.8	0.0	112.3	121.7
1989	0.1	0.1	7.9	0.0	104.7	112.7
1990	0.1	0.1	6.6	0.0	103.4	110.2
1991	0.3	0.2	9.4	0.0	108.5	118.4
1992	0.1	0.1	9.4	0.0	100.6	110.2
1993	\$0.2	\$0.1	\$10.8	\$0.0	\$119.4	\$130.5

Sources: *State Energy Price and Expenditure Report, 1992*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. December 1994. 1993 Preliminary Estimates. Nebraska Energy Office.

Note: * = represents less than \$0.05 million.

Coal shipped into Nebraska to electric power plants was primarily low sulfur coal from Wyoming. In 1993, 99.9% of the coal used in Nebraska power plants came from Wyoming.

Figure 62
States Providing Coal to Nebraska, 1993



Coal Shipped into Nebraska by State of Origin, 1981-1993

(Thousand Tons)

Coal District	States	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
3 & 6	WV, VA	0	0	5	0	0	0	0	0	0	0	0	0	0
4	OH	0	0	0	20	0	0	0	0	0	0	0	0	0
8	KY, NC, TN, VA, WV	0	0	6	0	0	0	0	1	0	0	0	0	0
9	KY	0	2	2	47	0	0	0	0	0	0	0	0	0
11	IN	0	0	0	0	0	0	0	0	3	0	0	0	0
14	AR, OK	0	0	0	32	0	0	0	0	0	0	0	0	0
15	KS, LA, MO, OK, TX	0	3	0	31	13	0	0	0	0	0	0	0	3
16 & 17	CO, NM	202	336	148	316	333	145	100	141	159	60	59	1	1
19	ID, WY	4,847	5,903	5,254	6,064	6,274	5,695	6,355	7,462	7,465	7,950	8,583	7,809	8,696
20	UT	288	134	1	1	0	0	0	0	0	0	0	0	0
22 & 23	MT, AK, OR, WA	13	15	87	128	124	154	168	121	109	131	150	0	0
24	PA	0	0	3	0	0	0	0	0	0	1	4	0	0
TOTAL		5,349	6,393	5,505	6,638	6,745	5,994	6,623	7,724	7,735	8,142	8,796	8,093	8,903

Source: *Coal Distribution: January-December*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. Annual.

Notes: The publication, *Coal Distribution*, was discontinued after 1991. Data contained in some of its tables was continued in the *Quarterly Coal Report*. Total distribution by state of origin was not continued. 1992 data shows origin by state for shipments to electric utilities and the total received by all sectors in Nebraska.

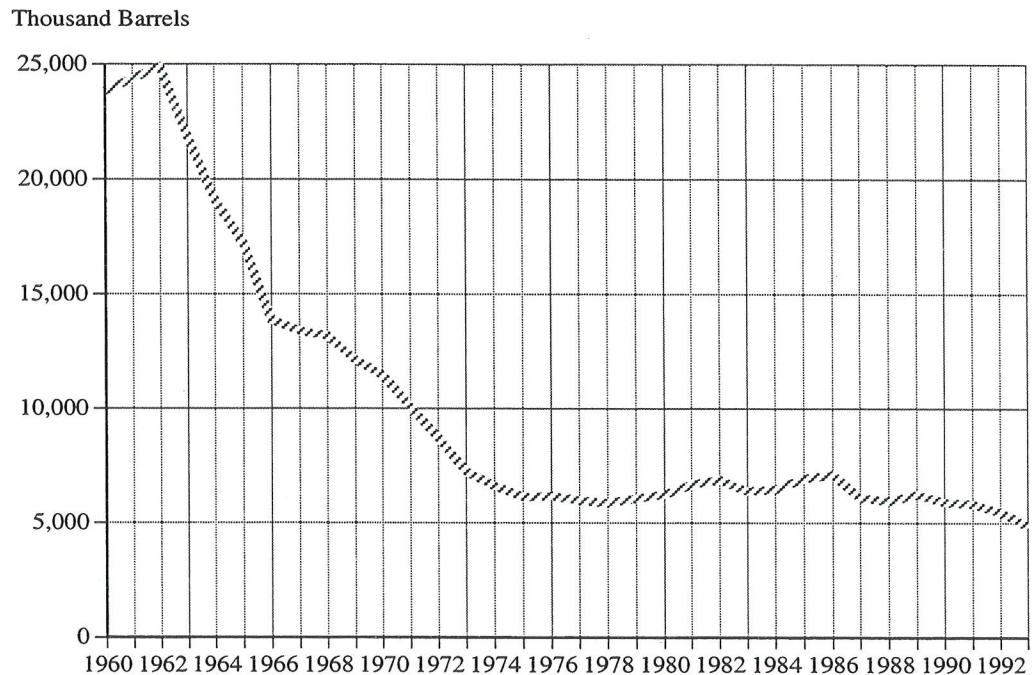
Crude Oil, Natural Gas Production and Ethanol Consumption

Crude Oil

Petroleum production in Nebraska for 1993 was 4,868,255 barrels, a decrease of 11.1% from 1992 production of 5,474,188 barrels. This represents the lowest production level in Nebraska since 1960. Petroleum production in 1993 from Nebraska represented 12.8% of the petroleum consumed in the state, though it should be noted that petroleum produced in Nebraska is first exported from the state for refining.

Figure 63
Crude Oil Production, Nebraska, 1960-1993

Year	Thousand Barrels
1960	23,825
1961	24,369
1962	24,894
1963	21,846
1964	19,113
1965	17,216
1966	13,850
1967	13,373
1968	13,183
1969	12,106
1970	11,451
1971	10,062
1972	8,705
1973	7,240
1974	6,611
1975	6,120
1976	6,182
1977	5,968
1978	5,862
1979	6,068
1980	6,240
1981	6,671
1982	6,872
1983	6,380
1984	6,452
1985	6,943
1986	7,098
1987	6,091
1988	5,948
1989	6,232
1990	5,890
1991	5,832
1992	5,474
1993	4,868



Sources: Basic Petroleum Data Book, Petroleum Industry Statistics. American Petroleum Institute. Washington, D.C. May 1993. Nebraska Oil Activity Summary, Annual Report. Nebraska Oil and Gas Conservation Commission. Sidney, Nebraska. Annual.

Figure 64
Monthly Production, Nebraska, 1983-1993
(Barrels)

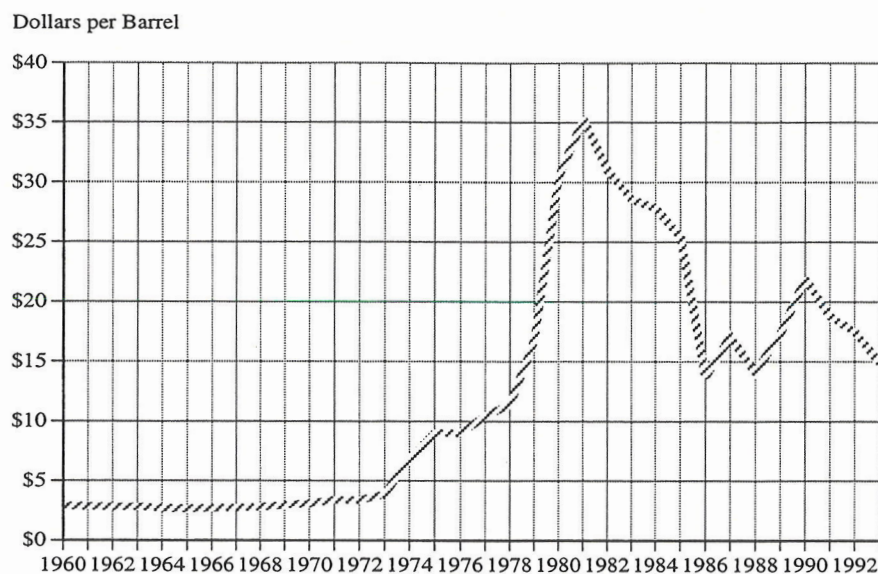
	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	562,152	529,138	556,664	605,376	540,588	475,850	560,755	495,587	484,621	487,064	423,080
February	508,864	504,454	514,103	540,827	483,887	459,849	483,927	453,011	446,305	454,314	380,548
March	542,398	544,875	588,527	606,889	509,946	477,192	532,398	499,275	493,822	477,821	424,198
April	529,810	500,179	579,691	535,548	510,008	473,833	531,987	492,188	480,509	465,851	411,144
May	547,386	545,150	605,069	592,198	521,386	497,501	531,549	499,698	492,898	475,649	426,356
June	521,587	532,522	570,347	554,068	508,937	491,800	536,038	481,191	477,288	449,522	416,168
July	543,190	538,203	586,255	563,366	514,704	506,413	537,398	507,066	492,365	457,451	419,282
August	544,998	546,779	601,343	559,749	506,652	518,445	521,793	512,786	500,261	448,996	410,755
September	531,989	549,347	583,953	535,490	494,073	500,694	504,189	497,133	484,883	442,453	393,794
October	547,738	565,296	608,706	550,047	508,775	532,802	514,255	503,250	501,591	450,999	428,760
November	520,463	547,729	572,288	525,208	490,748	516,135	483,913	473,634	479,628	428,757	377,872
December	480,481	549,443	579,246	538,137	504,194	534,628	488,017	471,128	498,266	434,678	386,677
Total	6,381,056	6,453,115	6,946,192	6,706,903	6,093,898	5,985,142	6,226,219	5,885,947	5,832,437	5,473,555	4,898,634
Annual Summary	6,386,417	6,469,723	6,942,502	7,097,633	6,090,931	5,978,429	6,231,544	5,889,722	5,832,115	5,474,188	4,868,255

Source: Nebraska Oil Activity Summary. Monthly and Annual Reports. Nebraska Oil and Gas Conservation Commission. Sidney, Nebraska.

Note: The annual summary data is compiled after corrections and updates have been made which are not reflected in the monthly reports.

Figure 65

Wellhead Crude Oil Prices, Nebraska, 1960-1993



1960	\$2.87	1970	\$3.09	1980	\$30.49	1990	\$21.94
1961	2.85	1971	3.38	1981	35.32	1991	18.78
1962	2.83	1972	3.38	1982	30.98	1992	17.51
1963	2.83	1973	3.87	1983	28.58	1993	\$14.90
1964	2.70	1974	6.83	1984	27.83		
1965	2.66	1975	9.01	1985	25.42		
1966	2.72	1976	8.99	1986	13.70		
1967	2.75	1977	10.46	1987	17.08		
1968	2.79	1978	11.40	1988	14.12		
1969	\$2.98	1979	\$16.75	1989	\$17.36		

Source: *Basic Petroleum Data Book, Petroleum Industry Statistics*. American Petroleum Institute. Washington, D.C. September 1994.

Figure 66

Producing Wells, Nebraska, 1960-1993

(as of December 31, 1993)

1960	1,571	1970	1,244	1980	1,693	1990	1,742
1961	1,860	1971	1,191	1981	1,870	1991	1,716
1962	1,764	1972	1,143	1982	2,006	1992	1,660
1963	1,726	1973	1,107	1983	2,100	1993	1,582
1964	1,711	1974	1,127	1984	2,095		
1965	1,611	1975	1,190	1985	2,091		
1966	1,511	1976	1,291	1986	1,838		
1967	1,430	1977	1,382	1987	1,852		
1968	1,403	1978	1,469	1988	1,723		
1969	1,305	1979	1,551	1989	1,687		

Source: *Basic Petroleum Data Book, Petroleum Industry Statistics*. American Petroleum Institute. Washington, D.C. May 1990. Nebraska Oil Activity Summary, Annual Report. Nebraska Oil and Gas Conservation Commission. Sidney, Nebraska. Annual.

Figure 67

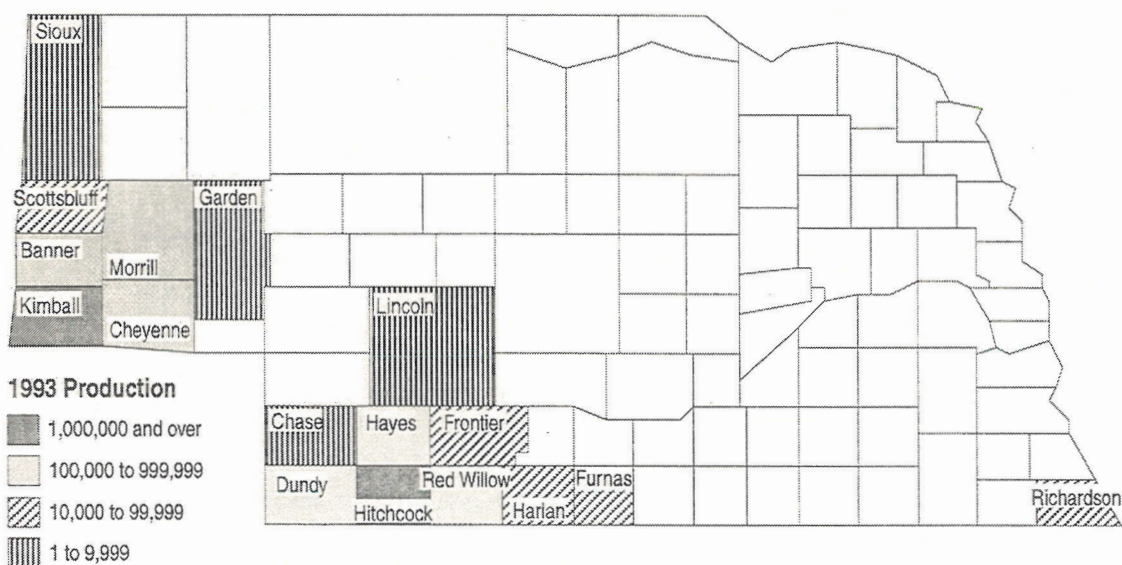
Proven Reserves, Nebraska, 1960-1993

(Million Barrels)

1960	86.2	1970	40.9	1980	46.0	1990	26.0
1961	100.4	1971	36.1	1981	41.0	1991	26.0
1962	93.8	1972	30.6	1982	32.0	1992	26.0
1963	83.6	1973	28.2	1983	44.0	1993	20.0
1964	71.1	1974	26.8	1984	46.0		
1965	70.7	1975	28.4	1985	42.0		
1966	57.1	1976	31.3	1986	45.0		
1967	63.2	1977	22.0	1987	33.0		
1968	55.3	1978	30.0	1988	42.6		
1969	46.8	1979	25.0	1989	32.0		

Source: *Basic Petroleum Data Book, Petroleum Industry Statistics*. American Petroleum Institute. Washington, D.C. September 1988. *U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves. 1993 Annual Report*. Energy Information Administration, United States Department of Energy. Washington, D.C. October, 1994.

Figure 68
Production by County, Nebraska, 1993
 (Barrels)



County	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Banner	592,874	602,762	534,064	462,657	418,562	385,677	390,077	419,953	389,439	346,969
Chase	0	0	0	0	3,925	3,570	3,158	2,707	2,492	2,217
Cheyenne	1,123,110	1,156,152	1,594,044	1,099,791	1,063,357	919,001	819,031	743,202	751,136	783,505
Dundy	187,774	171,415	152,140	141,394	191,568	180,239	154,381	155,914	123,291	110,070
Franklin	0	0	0	0	0	0	0	0	0	0
Frontier	91,138	99,377	78,827	78,394	73,026	70,004	60,796	66,749	62,777	54,862
Furnas	31,479	27,758	31,950	28,894	30,604	29,106	28,161	38,314	28,380	24,637
Garden	3,907	3,145	2,743	2,674	1,873	2,608	2,451	2,301	2,142	1,771
Harlan	29,621	30,742	25,884	22,110	19,872	19,562	19,212	17,968	16,635	11,838
Hayes	0	1,568	23,882	1,66,610	193,982	241,707	216,649	177,316	149,501	125,760
Hitchcock	1,480,969	1,979,897	1,671,689	1,252,940	1,440,318	1,912,424	1,852,168	1,667,341	1,525,782	1,340,375
Kimball	1,053,999	1,053,896	997,013	849,285	751,257	884,888	1,029,480	1,399,691	1,357,646	1,123,629
Lincoln	5,708	4,706	3,523	2,566	2,314	2,217	1,995	3,487	3,133	1,871
Morrill	265,575	302,268	280,397	228,583	193,478	203,752	188,135	164,050	149,447	134,841
Red Willow	1,394,111	1,312,608	1,559,491	1,590,513	1,434,475	1,220,950	993,756	851,914	785,741	690,248
Richardson	65,013	63,718	41,394	46,323	35,349	39,300	34,409	31,906	38,177	38,130
Scottsbluff	143,874	132,491	119,072	109,736	116,574	110,144	91,471	85,525	84,615	76,138
Sioux	571	0	1,520	8,461	7,895	6,395	4,392	3,777	3,854	1,394
Total	6,469,723	6,942,503	7,117,633	6,090,931	5,978,429	6,231,544	5,889,722	5,832,115	5,474,188	4,868,255

Source: *Nebraska Oil Activity Summary*. Nebraska Oil and Gas Conservation Commission. Sidney, Nebraska. Annual.

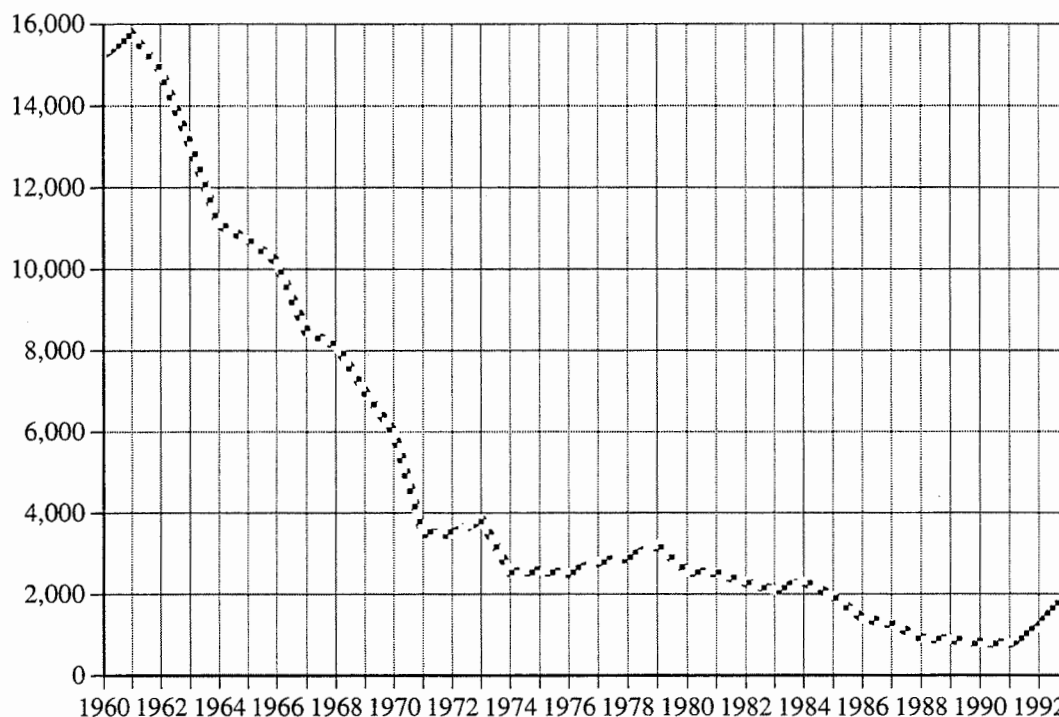
Natural Gas

Natural gas production in Nebraska for 1993 was 2,114,246 thousand (2.1 billion) cubic feet, an increase of 79.7% from 1992 production of 1,176,501 thousand (1.2 billion) cubic feet. Production in 1993 was the highest reported in Nebraska since 1984. Natural gas production in 1993 from Nebraska represented only 1.7% of the natural gas consumed in Nebraska in 1993.

Figure 69

Natural Gas Production, Nebraska, 1960-1993

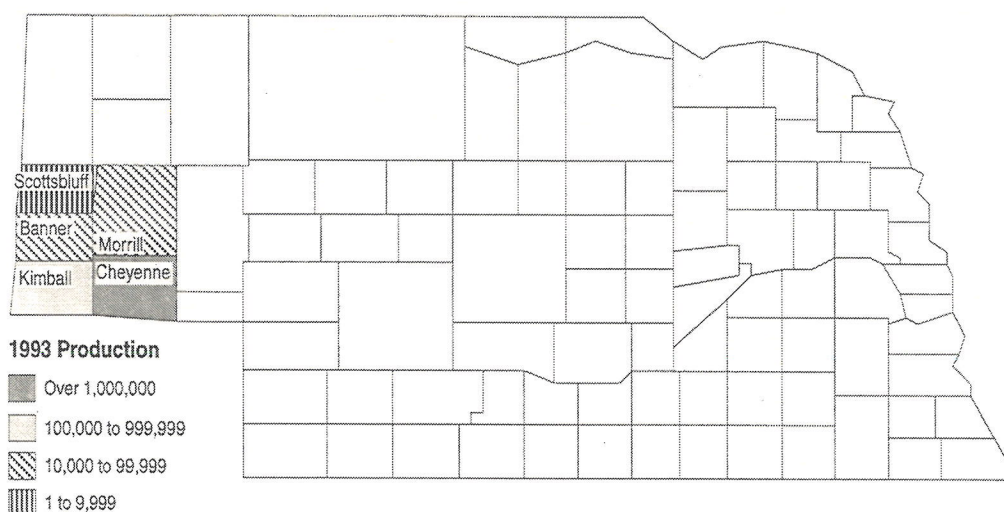
Million Cubic Feet



Sources: *Basic Petroleum Data Book, Petroleum Industry Statistics*. American Petroleum Institute. Washington, D.C. May 1994. *Nebraska Oil Activity Summary. Annual Report*. Nebraska Oil and Gas Conservation Commission. Sidney, Nebraska. Annual.

Year	Million Cubic Feet	Year	Million Cubic Feet	Year	Million Cubic Feet	Year	Million Cubic Feet
1960	15,258	1970	5,991	1980	2,550	1990	793
1961	15,743	1971	3,496	1981	2,519	1991	784
1962	14,880	1972	3,478	1982	2,280	1992	1,177
1963	13,051	1973	3,836	1983	2,091	1993	2,114
1964	11,094	1974	2,538	1984	2,300		
1965	10,720	1975	2,565	1985	1,944		
1966	10,196	1976	2,511	1986	1,403		
1967	8,453	1977	2,789	1987	1,261		
1968	8,129	1978	2,882	1988	910		
1969	6,989	1979	3,208	1989	879		

Figure 70
Production by County, Nebraska, 1993
 (Thousand Cubic Feet)



County	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Banner	160,551	144,777	91,632	79,174	57,074	42,152	43,922	43,546	37,919	33,539
Cheyenne	1,605,710	1,378,244	941,395	722,013	531,539	477,798	443,997	424,242	800,134	1,642,768
Deuel	15,767	11,785	8,569	1,642	282	0	0	0	0	0
Dundy	0	0	106	448	933	1036	868	910	316	0
Frontier	1,870	0	0	0	0	0	0	0	0	0
Hitchcock	0	0	0	0	0	0	0	0	0	0
Kimball	481,755	384,316	334,349	429,122	290,461	326,149	266,329	278,240	302,677	407,847
Morrill	27,588	20,251	20,881	19,813	17,735	17,674	24,902	22,751	24,797	25,178
Scottsbluff	6,243	5,196	4,382	4,432	3,889	4,454	4,207	5,705	6,444	4,914
Sioux	784	0	2,171	3,896	8,555	9,254	8,917	8,109	4,214	0
Total	2,300,268	1,944,569	1,403,485	1,260,540	910,468	878,517	973,142	783,503	1,176,501	2,114,246

Source: *Nebraska Oil Activity Summary*. Nebraska Oil and Gas Conservation Commission. Sidney, Nebraska. Annual

Figure 71
Proven Natural Gas Reserves, Nebraska, 1960-1993*
 (Billion Cubic Feet)

1960	117.8	1970	58.2	1980	176.0	1990	72.0
1961	104.3	1971	59.4	1981	191.0	1991	76.0
1962	100.7	1972	50.3	1982	69.0	1992	93.0
1963	100.0	1973	48.8	1983	78.0	1993	96.0
1964	93.4	1974	54.6	1984	75.0		
1965	79.6	1975	55.8	1985	76.0		
1966	72.8	1976	59.2	1986	133.0		
1967	63.8	1977	102.0	1987	65.0		
1968	56.8	1978	109.0	1988	84.0		
1969	56.6	1979	153.0	1989	87.0		

Note: *Nebraska specific proven natural gas reserves have not been identified separately since 1976. Beginning in 1977, Nebraska reserves have been included with a group of miscellaneous states, including Arizona, Illinois, Indiana, Iowa, Maryland, Minnesota, Missouri, Oregon, South Dakota, Tennessee, Virginia and Washington. Individual Nebraska reserves are presented for 1960-1976 and the total miscellaneous states presented for 1977-1993.

Source: *Basic Petroleum Data Book, Petroleum Industry Statistics*. American Petroleum Institute. Washington, D.C. September 1988. *U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves. 1993 Annual Report*. Energy Information Administration, United States Department of Energy. Washington, D.C. October, 1994.

Figure 72
Producing Wells, Nebraska, 1960-1993

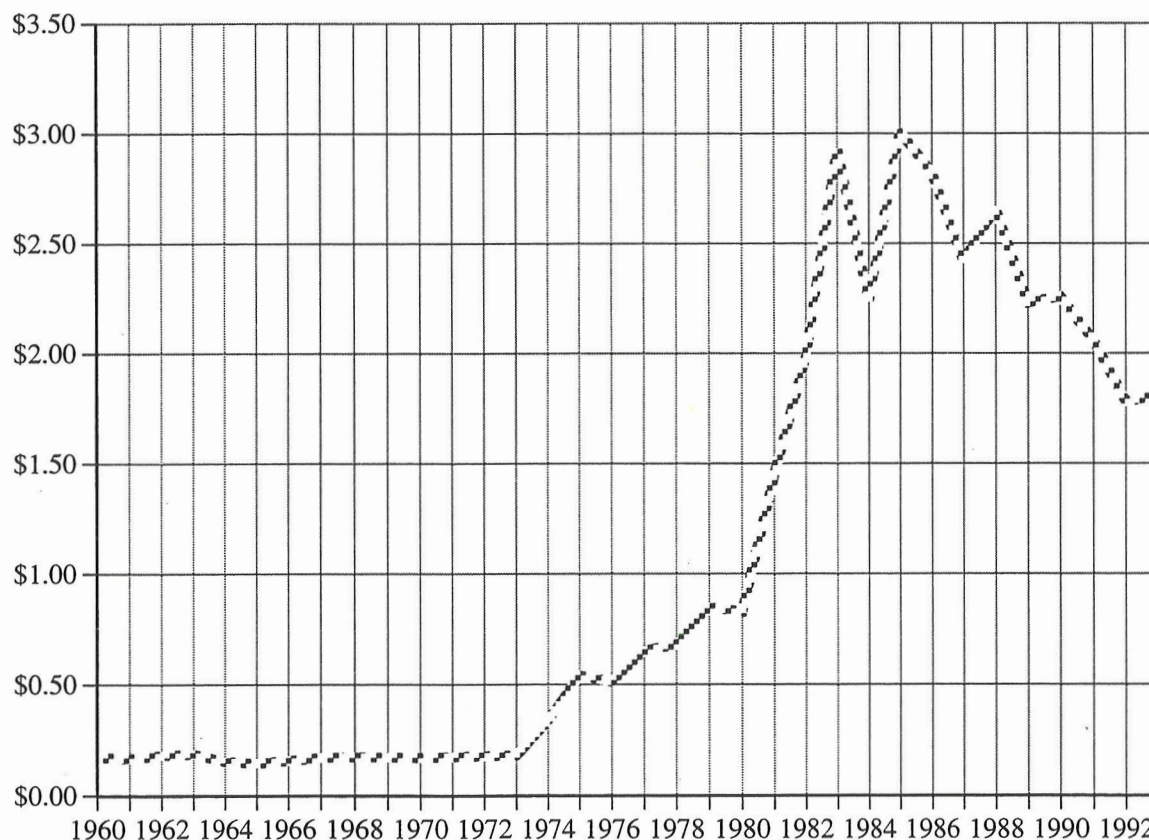
(as of December 31, 1993)

1960	53	1970	35	1980	22	1990	11
1961	49	1971	29	1981	25	1991	12
1962	47	1972	29	1982	23	1992	22
1963	44	1973	29	1983	23	1993	69
1964	41	1974	25	1984	23		
1965	39	1975	19	1985	19		
1966	37	1976	17	1986	16		
1967	37	1977	18	1987	20		
1968	36	1978	22	1988	18		
1969	35	1979	20	1989	15		

Source: *Basic Petroleum Data Book, Petroleum Industry Statistics*. American Petroleum Institute. Washington, D.C. May 1990.
 Nebraska Oil Activity Summary, Annual Report. Nebraska Oil and Gas Conservation Commission. Sidney, Nebraska. Annual.

Figure 73
Wellhead Prices, Nebraska, 1960-1993

Cents per Thousand Cubic Feet



1960	17.5¢	1970	17.1¢	1980	82.9¢	1990	226.0¢
1961	16.7	1971	17.5	1981	145.0	1991	206.0
1962	18.2	1972	17.8	1982	199.0	1992	178.0
1963	18.8	1973	18.2	1983	293.0	1993	181.0¢
1964	15.4	1974	34.0	1984	224.0		
1965	14.6	1975	54.1	1985	301.0		
1966	15.9	1976	51.3	1986	282.0		
1967	17.2	1977	65.2	1987	242.0		
1968	17.5	1978	68.0	1988	266.0		
1969	17.3¢	1979	85.0¢	1989	223.0¢		

Source: *Basic Petroleum Data Book, Petroleum Industry Statistics*. American Petroleum Institute. Washington, D.C. September 1992. *Natural Gas Annual 1993*. Energy Information Administration, U.S. Department of Energy. Washington D.C. October 1994.

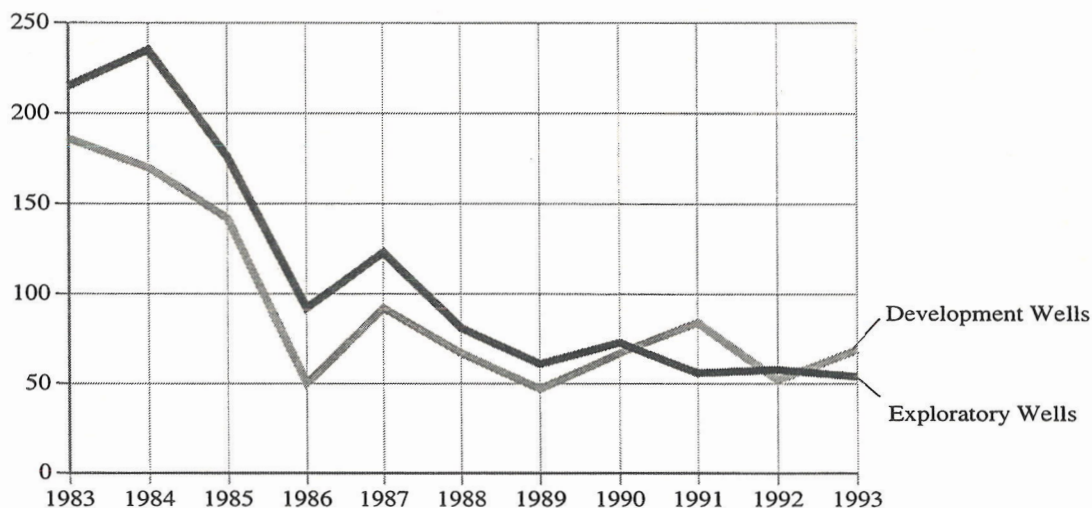
Well Drilling

There were 54 drilling permits issued in 1993 for exploratory wells, an decrease of 6.9% from the 58 permits in 1992. The 69 permits issued for development wells in 1993 was a 32.7% increase from the 52 issued in 1992.

Figure 74

Drilling Permits Issued for Exploratory and Development Wells, Nebraska, Annual 1983-1993

Number of Permits



Exploratory Wells												Development Wells											
	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993		1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	15	13	9	22	6	10	4	3	0	1	3	16	13	23	9	5	0	1	4	16	4	2	
February	13	14	13	8	7	7	3	3	1	4	6	13	15	9	4	8	3	4	7	3	5	3	
March	12	15	14	8	9	8	4	5	7	4	5	13	10	10	3	5	5	6	7	10	9	5	
April	20	10	9	3	6	6	3	3	8	2	2	22	22	12	4	6	9	3	5	11	3	5	
May	13	14	15	5	4	5	5	7	5	1	1	18	17	7	1	14	9	5	5	8	2	3	
June	9	17	16	6	14	5	14	11	4	1	0	24	14	8	4	11	10	2	3	12	1	3	
July	19	13	22	2	12	7	3	7	3	5	12	9	17	8	2	9	5	0	6	4	4	5	
August	16	25	14	2	13	8	2	5	5	9	3	14	9	8	1	6	6	6	8	5	3	14	
September	35	26	18	8	14	8	4	10	4	10	7	15	9	15	6	6	4	5	8	3	7	6	
October	19	31	9	7	13	7	6	8	6	4	7	18	8	19	4	9	6	4	7	7	8	16	
November	18	31	19	7	12	4	6	7	7	10	5	17	24	12	7	6	4	5	3	1	1	5	
December	26	26	18	14	13	6	7	4	6	7	3	7	12	11	5	7	6	6	4	4	5	2	
Total	215	235	176	92	123	81	61	73	56	58	54	186	170	142	50	92	67	47	67	84	52	69	

Source: *Nebraska Oil Activity Summary*. Nebraska Oil and Gas Conservation Commission. Sidney, Nebraska. Monthly.

Figure 75

Stripper Wells, Stripper Wells Abandoned, Stripper Well Production and Percentage of Total Crude Oil Production, Nebraska, 1970-1993

	Stripper Wells	Stripper Wells Abandoned	Stripper Well Production (Thous. Barrels)	% of Total Crude Oil Production		Stripper Wells	Stripper Wells Abandoned	Stripper Well Production (Thous. Barrels)	% of Total Crude Oil Production
1970	437	47	1,056.1	9.2	1982	1,585	15	2,878.6	41.9
1971	484	50	1,191.0	11.8	1983	1,672	18	3,418.0	53.6
1972	417	50	1,121.7	12.9	1984	1,707	36	2,974.4	46.1
1973	526	72	1,196.4	16.5	1985	1,716	36	2,947.3	42.4
1974	577	74	1,378.8	20.9	1986	1,637	45	2,617.2	36.9
1975	638	9	1,545.4	25.3	1987	1,589	39	2,687.7	44.1
1976	812	10	1,758.0	28.4	1988	1,505	30	2,446.3	41.1
1977	919	14	2,012.3	33.7	1989	1,247	44	2,111.0	33.9
1978	987	59	2,024.8	34.5	1990	1,269	60	2,011.2	34.1
1979	1,037	17	1,865.7	30.7	1991	1,190	43	1,871.5	32.1
1980	1,223	18	2,236.5	35.8	1992	1,209	48	2,023.4	37.0
1981	1,414	11	2,510.3	37.6	1993	1,274	65	2,214.6	45.5

Source: *Basic Petroleum Data Book, Petroleum Industry Statistics*. American Petroleum Institute. Washington, D.C. May 1994.

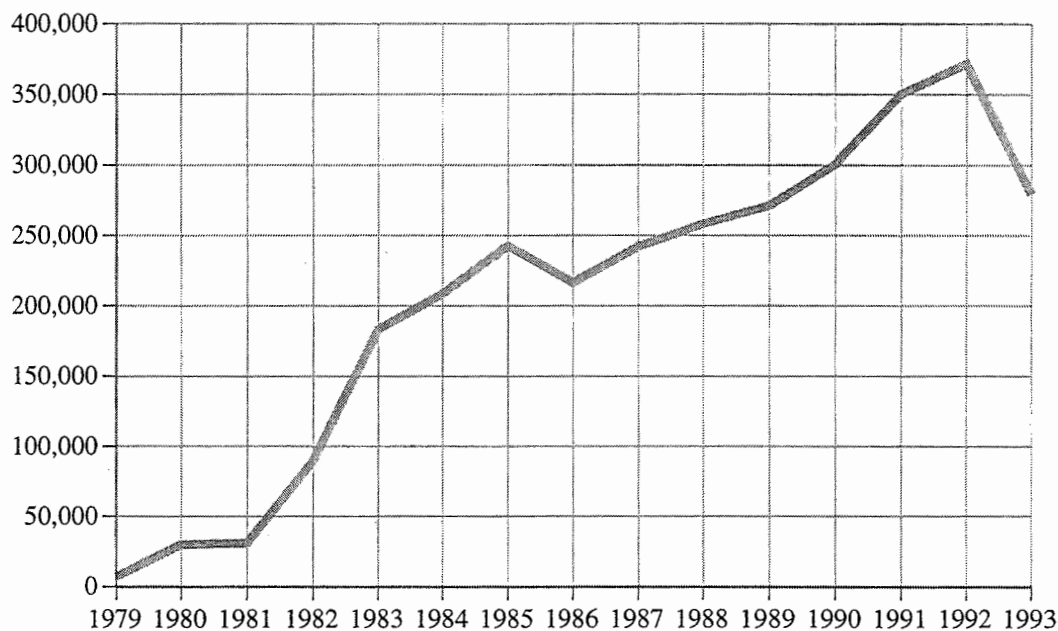
Ethanol

Ethanol production in Nebraska in 1993 was approximately 46 million gallons, up from the 13 million gallons in 1992. In 1993, gasohol recorded a 36.3% market share of gasoline sales in Nebraska. This is down from the record market share of 47.4% set in 1992, primarily because of the end of the 2¢ per gallon pump credit on gasohol on December 31, 1992.

Figure 76

Ethanol Fuel Available for Sale, Nebraska, 1979-1993

Thousand Gallons



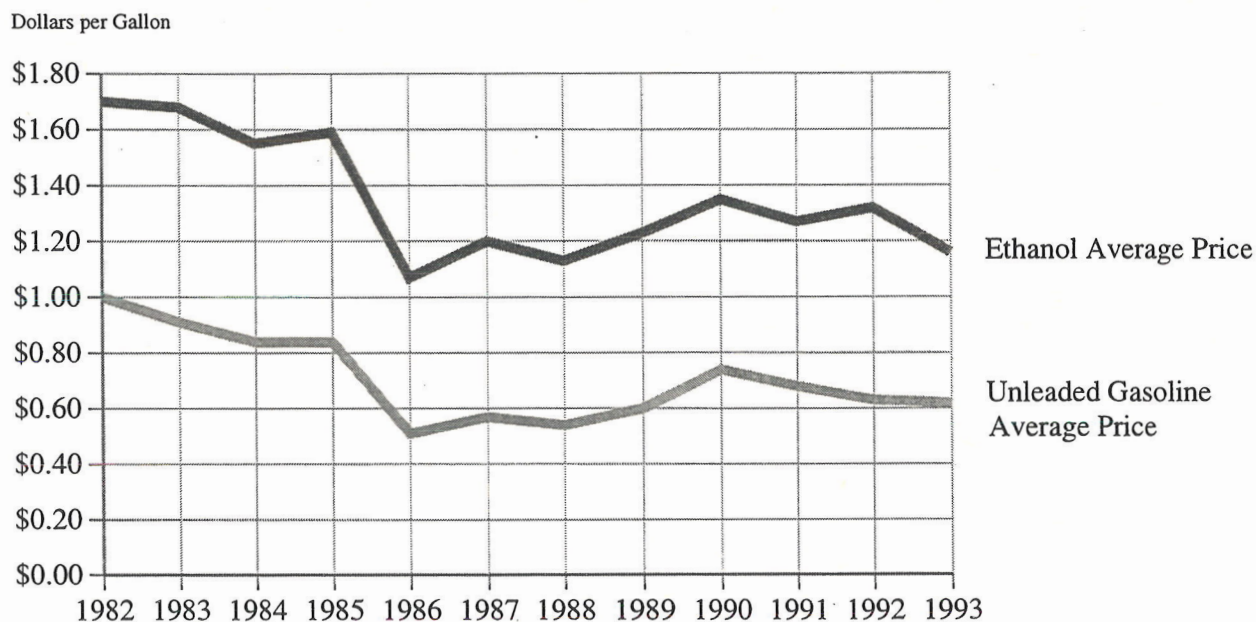
Ethanol Fuel Available for Sale and Market Share, Nebraska, 1979-1993

(Thousand Gallons)

	Gasohol	Market Share
1979	6,851	0.8%
1980	30,067	3.5
1981	31,072	3.9
1982	89,698	11.3
1983	183,345	23.6
1984	208,455	26.7
1985	242,660	31.2
1986	216,356	27.8
1987	241,983	31.2
1988	258,073	32.2
1989	271,182	33.8
1990	300,632	37.8
1991	350,616	45.6
1992	371,792	47.4
1993	279,813	36.3%

Source: *Monthly Motor Fuel Consumption*,
Nebraska Department of Roads, Monthly.

Figure 77

Unleaded Gasoline and Ethanol Prices, F.O.B., Omaha, Nebraska, Monthly 1982-1993**Unleaded Gasoline Prices**

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	\$1.04	\$0.92	\$0.84	\$0.74	\$0.74	\$0.54	\$0.48	\$0.54	\$0.65	\$0.77	\$0.54	\$0.58
February	1.01	0.88	0.86	0.73	0.60	0.52	0.50	0.52	0.63	0.67	0.57	0.59
March	0.95	0.86	0.87	0.80	0.46	0.54	0.50	0.56	0.62	0.67	0.61	0.66
April	0.90	0.90	0.88	0.88	0.49	0.56	0.57	0.63	0.67	0.73	0.64	0.65
May	0.94	0.94	0.88	0.92	0.58	0.59	0.57	0.64	0.69	0.74	0.68	0.66
June	1.05	0.95	0.88	0.93	0.54	0.61	0.55	0.71	0.67	0.68	0.70	0.62
July	1.06	0.95	0.84	0.93	0.42	0.64	0.60	0.71	0.62	0.68	0.66	0.67
August	1.05	0.95	0.84	0.91	0.47	0.63	0.59	0.56	0.85	0.73	0.65	0.68
September	1.03	0.93	0.84	0.82	0.48	0.57	0.54	0.66	0.94	0.64	0.68	0.68
October	1.02	0.91	0.85	0.82	0.45	0.58	0.51	0.63	0.95	0.64	0.67	0.61
November	0.99	0.89	0.84	0.86	0.47	0.58	0.54	0.58	0.91	0.70	0.62	0.56
December	\$0.96	\$0.87	\$0.74	\$0.82	\$0.46	\$0.49	\$0.53	\$0.55	\$0.76	\$0.59	\$0.59	\$0.46
Average	\$1.00	\$0.91	\$0.85	\$0.85	\$0.51	\$0.57	\$0.54	\$0.61	\$0.75	\$0.69	\$0.63	\$0.62

Ethanol Prices

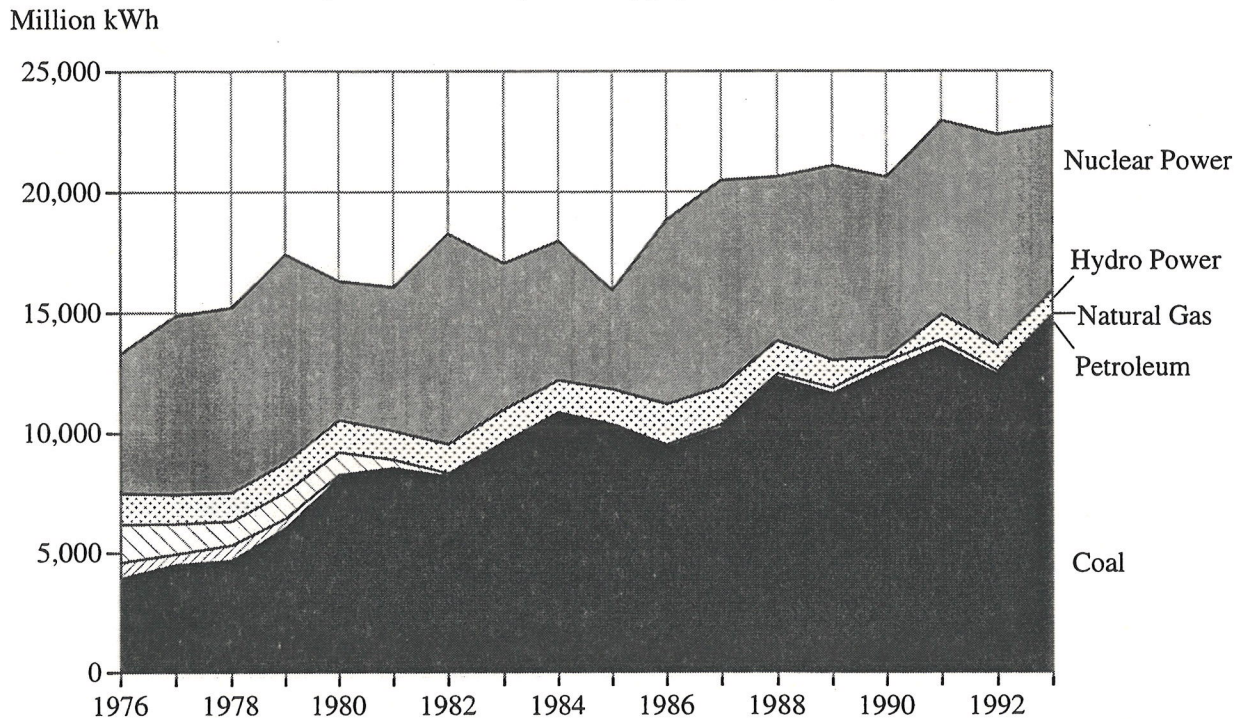
	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	\$1.75	\$1.69	\$1.54	\$1.57	\$1.52	\$0.89	\$1.05	\$1.15	\$1.26	\$1.30	\$1.22	\$1.14
February	1.70	1.68	1.54	1.58	1.35	1.01	1.08	1.13	1.23	1.23	1.24	1.23
March	1.66	1.64	1.54	1.57	1.27	1.13	1.09	1.23	1.21	1.25	1.29	1.20
April	1.70	1.70	1.54	1.68	1.22	1.17	1.14	1.40	1.26	1.28	1.32	1.21
May	1.70	1.70	1.54	1.62	1.14	1.36	1.14	1.38	1.29	1.33	1.37	1.19
June	1.70	1.70	1.54	1.62	1.04	1.40	1.14	1.36	1.29	1.27	1.41	1.14
July	1.70	1.70	1.54	1.61	0.95	1.43	1.23	1.31	1.26	1.24	1.35	1.09
August	1.70	1.73	1.54	1.58	1.05	1.43	1.17	1.17	1.52	1.28	1.36	1.12
September	1.70	1.80	1.58	1.59	0.96	1.28	1.13	1.25	1.56	1.21	1.41	1.12
October	1.69	1.65	1.58	1.60	0.84	1.20	1.16	1.24	1.55	1.24	1.38	1.18
November	1.72	1.65	1.56	1.60	0.77	1.12	1.15	1.09	1.50	1.33	1.33	1.11
December	\$1.75	\$1.54	\$1.57	\$1.55	\$0.75	\$1.04	\$1.13	\$1.05	\$1.30	\$1.28	\$1.26	\$1.16
Average	\$1.71	\$1.68	\$1.55	\$1.60	\$1.07	\$1.21	\$1.13	\$1.23	\$1.35	\$1.27	\$1.33	\$1.16

Source: Unpublished computer printout. Nebraska Gasohol Committee. Lincoln, Nebraska. Monthly

Electricity Generation

Generation of electricity in Nebraska increased 1.5% to 22,724 gigawatthours (million kilowatthours) in 1993. Coal accounted for 64.9%, nuclear power 29.9%, hydro-electric power 4.4% and natural gas, petroleum and other 0.8% of the power generated. Nebraska remained a net exporter of electricity.

Figure 78
Electricity Generated by Fuel Type, Nebraska, 1976-1993



	Coal	Petroleum	Natural Gas	Hydro Power	Nuclear Power	Other	Total
1976	3,919	673	1,599	1,276	5,824	0	13,291
1977	4,493	446	1,255	1,221	7,452	0	14,866
1978	4,664	642	994	1,187	7,725	0	15,214
1979	6,027	398	1,088	1,246	8,658	0	17,417
1980	8,122	127	945	1,336	5,783	0	16,313
1981	8,482	47	351	1,197	5,988	0	16,063
1982	8,121	65	121	1,213	8,751	0	18,271
1983	9,471	40	114	1,346	6,084	0	17,054
1984	10,715	19	118	1,331	5,781	0	17,964
1985	10,232	25	103	1,441	4,135	0	15,933
1986	9,319	56	131	1,679	7,658	0	18,840
1987	10,152	47	135	1,568	8,589	0	20,489
1988	12,225	71	162	1,351	6,828	0	20,633
1989	11,581	56	225	1,158	8,075	0	21,099
1990	12,659	13	307	140	7,511	0	21,633
1991	13,561	12	300	1,046	8,049	0	22,971
1992	12,403	10	145	1,075	8,749	7	22,390
1993	14,740	18	153	1,002	6,805	5	22,724

Sources: *Electric Power Annual*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. Annual.

Generation by coal was 14,740 gigawatthours in 1993, an increase of 18.8% from the 12,403 gigawatthours in 1992. Generation by nuclear power decreased by 22.2% in 1993 to 6,805 gigawatthours from 1992. Generation from hydro-electric power decreased 6.8% in 1993 to 1,002 gigawatthours. Generation from natural, petroleum and other increased 8.6% in 1993 from 1992.

Figure 79
Generation by Fuel Type, Nebraska, Monthly 1984-1993
(Million Kilowatthours)

Natural Gas											Coal									
	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	8	6	4	16	7	4	4	27	6	8	1,056	1,090	918	942	1,081	1,046	1,205	1,175	1,219	1,343
February	3	4	6	7	3	21	3	5	5	4	832	981	826	580	848	830	1,083	1,144	1,162	1,232
March	3	6	5	8	6	15	15	3	17	9	883	692	1,043	756	1,024	718	1,320	1,292	1,095	1,404
April	14	16	9	8	4	36	26	44	16	11	809	691	805	762	792	724	1,136	828	974	1,203
May	8	5	6	11	8	8	30	43	8	11	799	697	602	856	757	1,004	933	970	967	1,023
June	6	8	35	26	50	10	18	16	11	10	950	730	617	970	1,152	1,087	1,071	1,139	843	1,168
July	9	10	10	25	20	33	11	16	13	38	1,034	1,017	1,038	1,165	1,190	1,070	1,286	1,371	1,177	1,217
August	10	8	7	9	13	16	27	11	7	31	1,042	845	787	967	1,291	1,109	1,216	1,291	1,174	1,137
September	8	10	7	6	13	13	52	27	21	7	716	620	540	735	823	830	837	1,067	886	1,120
October	23	16	10	6	12	24	49	41	15	11	723	939	589	809	1,001	899	607	1,026	800	1,320
November	18	5	21	8	21	39	35	47	15	5	944	921	673	778	980	951	893	1,055	803	1,188
December	8	9	11	5	5	6	37	20	11	8	927	1,009	881	832	1,286	1,313	1,072	1,203	1,303	1,385
Total	118	103	131	135	162	225	307	300	145	153	10,715	10,232	9,319	10,152	12,225	11,581	12,659	13,561	12,403	14,740

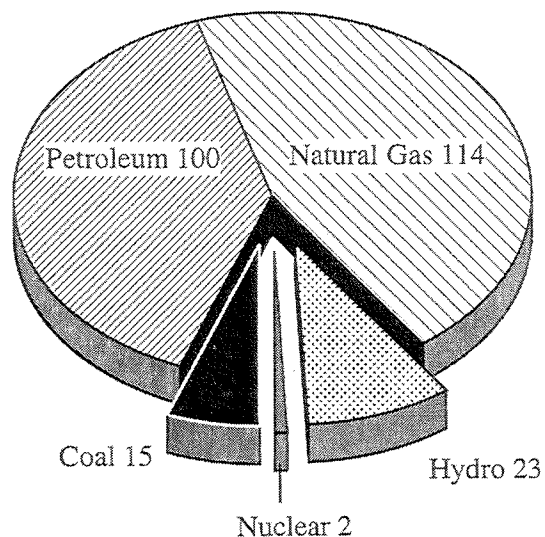
Hydro Power											Nuclear									
	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	88	95	102	126	87	80	65	73	71	69	791	361	612	674	818	441	909	815	880	919
February	103	91	95	117	87	74	62	60	74	73	774	327	746	754	592	607	652	784	411	796
March	113	129	126	123	117	77	83	65	96	83	502	325	781	543	307	885	26	695	570	390
April	96	110	120	130	134	96	129	88	95	64	250	348	692	457	334	420	-2	769	433	198
May	90	124	145	130	143	115	116	97	102	82	344	358	711	328	354	172	419	777	818	312
June	87	130	149	127	135	122	111	103	110	84	387	341	810	670	480	516	785	814	865	279
July	119	148	169	141	146	138	136	133	123	76	624	348	821	905	808	886	897	867	643	350
August	132	138	172	146	125	133	124	127	120	73	757	377	683	875	776	896	825	793	702	858
September	136	120	159	139	123	102	106	103	91	95	487	616	699	764	674	717	815	549	699	802
October	129	137	157	146	119	104	97	93	80	105	361	76	400	897	568	873	594	277	905	568
November	127	120	151	139	68	55	54	47	51	104	203	95	351	829	554	775	857	351	900	567
December	111	99	134	104	67	62	57	57	62	94	301	563	352	893	563	887	734	558	923	766
Total	1,331	1,441	1,679	1,568	1,351	1,158	1,140	1,046	1,075	1,002	5,781	4,135	7,658	8,589	6,828	8,075	7,511	8,049	8,749	6,805

Petroleum											Total									
	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	4	8	1	2	1	0	1	0	1	2	1,947	1,560	1,637	1,760	1,993	1,572	2,184	2,091	2,178	2,341
February	2	1	3	1	6	12	1	0	1	1	1,713	1,404	1,676	1,459	1,537	1,545	1,802	1,993	1,653	2,106
March	1	1	2	0	1	28	0	0	0	1	1,503	1,153	1,956	1,430	1,455	1,724	1,445	2,056	1,778	1,888
April	2	2	4	3	13	0	0	0	0	2	1,170	1,166	1,630	1,360	1,277	1,276	1,289	1,730	1,519	1,478
May	2	1	1	22	34	1	1	2	1	2	1,244	1,184	1,464	1,347	1,295	1,300	1,499	1,890	1,895	1,429
June	1	2	2	10	3	1	2	2	1	1	1,431	1,209	1,613	1,803	1,819	1,735	1,987	2,074	1,830	1,544
July	1	2	3	1	1	2	1	1	1	6	1,787	1,525	2,041	2,237	2,164	2,130	2,331	2,388	1,957	1,688
August	1	1	1	1	3	1	2	1	1	1	1,942	1,370	1,650	1,998	2,209	2,155	2,194	2,223	2,004	2,101
September	1	3	1	1	2	1	2	3	0	1	1,348	1,369	1,405	1,644	1,635	1,663	1,812	1,749	1,699	2,025
October	1	1	2	1	1	1	1	2	1	0	1,238	1,168	1,157	1,859	1,700	1,901	1,348	1,439	1,802	2,005
November	2	2	17	5	1	1	0	0	2	0	1,293	1,144	1,214	1,758	1,623	1,822	1,840	1,500	1,773	1,865
December	1	1	19	0	5	8	2	1	1	1	1,348	1,681	1,397	1,834	1,926	2,276	1,902	1,838	2,302	2,254
Total	19	25	56	47	71	56	13	12	10	18	17,964	15,933	18,840	20,489	20,633	21,099	21,633	22,971	22,390	22,724

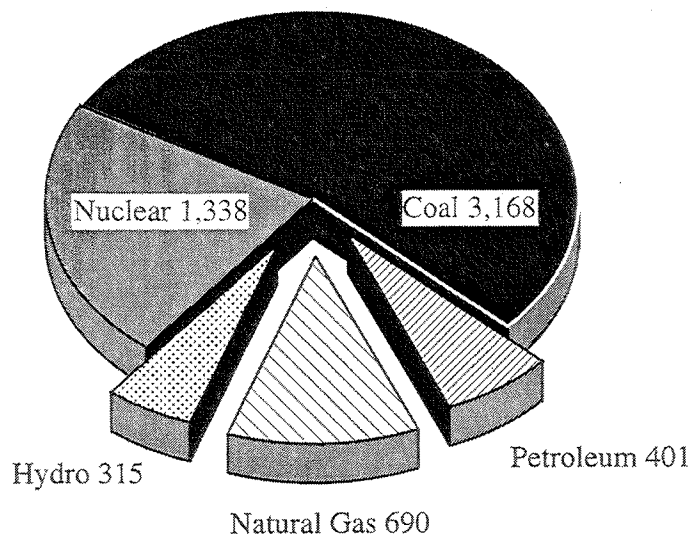
Source: *Electric Power Monthly*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. Monthly.

Figure 80
**Operable Electric Generating Capacity by Energy Source,
 Nebraska, December 1990-1993**
 (Megawatts)

**Number of Generating Units by Energy Source,
 Nebraska, 1993**



**Generator Nameplate¹ by Energy Source,
 Nebraska, 1993**
 (Megawatts)



		Number of Units	Generator Nameplate ¹	Summer Capability ²	Winter Capability ²
1991	Coal	15	3,168	3,087	3,090
	Petroleum	103	375	311	382
	Natural Gas	109	677	630	662
	Hydro	23	315	300	300
	Nuclear	2	1,338	1,254	1,270
	Total	252	5,873	5,582	5,704
1992	Coal	15	3,168	3,066	2,964
	Petroleum	101	397	334	398
	Natural Gas	109	677	631	663
	Hydro	23	315	300	300
	Nuclear	2	1,338	1,254	1,270
	Total	247	5,895	5,585	5,595
1993	Coal	15	3,168	3,103	2,995
	Petroleum	100	401	339	400
	Natural Gas	114	690	650	685
	Hydro	23	315	300	301
	Nuclear	2	1,338	1,254	1,270
	Total	254	5,912	5,646	5,650

Source: *Inventory of Power Plants in the United States, 1993*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. Annual.

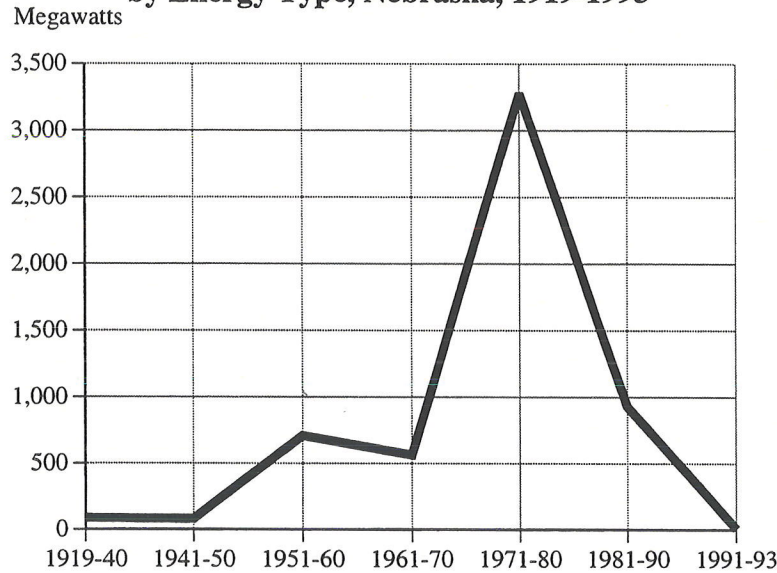
Definitions:

1 Generator Nameplate. The full-load continuous rating of a generator, prime mover or other electrical equipment under specified conditions as designated by the manufacturer.

2 Capability. The maximum load that a generating unit, generating station or other electrical apparatus can carry under specified conditions for a given period of time without exceeding approved limits of temperature and stress.

Figure 81

Operable Electric Generating Capacity by Year of Initial Operation, by Energy Type, Nebraska, 1919-1993



Year of Initial Operation		Number of Units	Generator Nameplate	Summer Capability (Megawatts)	Winter Capability (Megawatts)
1919-40	Coal	-	-	-	-
	Petroleum	17	6.4	5.8	5.9
	Natural Gas	3	6.7	5.9	6.6
	Hydro Power	12	76.4	73.4	74.3
	Nuclear	-	-	-	-
	Total	32	89.5	85.1	86.8
1941-50	Coal	-	-	-	-
	Petroleum	24	10.1	8.6	8.7
	Natural Gas	14	18.5	15.7	15.2
	Hydro Power	5	55.0	55.0	55.0
	Nuclear	-	-	-	-
	Total	43	83.6	79.3	78.9
1951-60	Coal	5	416.4	415.5	366.2
	Petroleum	33	30.8	25.6	26.0
	Natural Gas	37	194.9	182.5	183.4
	Hydro Power	5	134.0	133.4	133.4
	Nuclear	-	-	-	-
	Total	80	776.1	757.0	709.0
1961-70	Coal	4	495.5	487.9	428.2
	Petroleum	10	17.7	16.3	16.3
	Natural Gas	35	128.7	117.7	119.5
	Hydro Power	-	-	-	-
	Nuclear	-	-	-	-
	Total	49	641.9	621.9	564.0
1971-80	Coal	3	1,388.7	1,327.4	1,328.2
	Petroleum	11	329.6	276.7	337.3
	Natural Gas	20	322.4	310.2	341.2
	Hydro Power	-	-	-	-
	Nuclear	2	1,337.6	1,254.0	1,270.0
	Total	36	3,378.3	3,168.3	3,276.7
1981-90	Coal	3	867.4	872.0	872.0
	Petroleum	4	3.6	3.4	3.4
	Natural Gas	3	14.0	13.5	14.1
	Hydro Power	1	50.0	38.0	38.0
	Nuclear	-	-	-	-
	Total	11	935.0	926.9	927.5
1991-93	Coal	-	-	-	-
	Petroleum	1	2.4	2.4	2.4
	Natural Gas	2	5.2	4.9	5.0
	Hydro Power	-	-	-	-
	Nuclear	-	-	-	-
	Total	3	7.6	7.3	7.4

Source: *Inventory of Power Plants in the United States, 1993*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. December, 1994.

Note: The U.S. Corps of Engineers - Missouri District hydro power units at Gavins Point are included in Figure 85.

Figure 82

Operable Electric Generating Units, Nebraska, December 1993

Company -Plant (county)	Unit ID	GN (MW)	Summ. Cap. (MW)	Winter Cap. (MW)	UT. ¹	ES. ²	Yr. of IO.	Company -Plant (county)	Unit ID	GN. (MW)	Summ. Cap. (MW)	Winter Cap. (MW)	UT. ¹	ES. ²	Yr. of IO.
Ansley, City of	2	0.6	0.6	0.6	IC	N	1963	Crete, City of	1	0.4	0.4	0.4	IC	P	1939
-Ansley (Custer)	3	0.9	0.9	0.9	IC	N	1969	-Crete Municipal	2	1.4	1.4	1.4	IC	N, P	1955
								Power (Saline)	3	1.0	0.9	1.0	IC	N, P	1951
Arnold, Village of	1	0.6	0.5	0.5	IC	P	1960		4	1.1	1.0	1.1	IC	N, P	1947
-Arnold (Custer)	2	0.2	0.1	0.1	IC	P	1928		5	2.5	2.4	2.6	IC	N, P	1963
	3	0.2	0.2	0.2	IC	P	1941		6	3.3	2.8	3.3	IC	N, P	1965
	4	0.3	0.3	0.3	IC	P	1949		7	6.0	6.4	6.4	IC	N, P	1973
								Curtis, City of	1	0.4	0.2	0.2	IC	P	1929
Auburn, City of	1	2.4	2.2	2.4	IC	N, P	1982	-Curtis (Frontier)	2	0.9	0.8	0.8	IC	N, P	1955
-Auburn (Nemaha)	2	1.0	0.9	1.0	IC	N, P	1949		3	1.1	1.0	1.0	IC	N, P	1969
	4A	3.8	3.8	3.8	IC	N	1993		4	1.4	1.2	1.2	IC	N, P	1975
	5	3.4	3.1	3.4	IC	N, P	1973								
	6	2.8	2.5	2.8	IC	N, P	1967	-Deshler Plant (Thayer)	1	0.3	0.2	0.2	IC	P	1937
	7	5.6	5.0	5.6	IC	N, P	1987		2	0.4	0.2	0.2	IC	P	1949
Beaver City, City of	1	0.5	0.5	0.5	IC	P, N	1957		3	0.2	0.2	0.2	IC	P	1934
-City Light & Water	2	0.4	0.3	0.4	IC	N, P	1963		4	0.7	0.6	0.6	IC	P	1955
(Furnas)	3	0.3	0.3	0.3	IC	P	1947	Emerson, City of	2	1.1	1.1	1.1	IC	N, P	1968
	4	0.9	0.9	0.9	IC	N, P	1967	-Emerson (Dixon)	3	0.1	0.1	0.1	IC	P	1947
									4	0.5	0.5	0.5	IC	N, P	1960
Benkelman, City of	1	0.9	0.8	0.8	IC	P	1952	Fairbury, City of	1	4.0	3.8	4.0	ST	N, P	1948
-Benkelman (Dundy)	2	0.3	0.3	0.3	IC	P	1941	-Fairbury (Jefferson)	2	2.5	2.5	2.5	ST	N, P	1938
Broken Bow, City of	1	0.5	0.5	0.5	IC	P	1936		4	12.5	12.5	13.0	ST	N, P	1965
-Broken Bow (Custer)	2	3.5	3.5	3.5	IC	N, P	1970	Falls City, City of	1	0.7	0.7	0.7	IC	P	1930
	3	0.8	0.7	0.7	IC	N, P	1945	-Falls City (Richardson)	2	1.0	1.0	1.0	IC	P	1937
	4	0.8	0.8	0.8	IC	N, P	1951		3	2.8	2.3	2.3	IC	N, P	1965
	5	1.0	1.0	1.0	IC	N, P	1951		4	1.1	0.9	0.9	IC	N, P	1946
	6	2.1	2.0	2.0	IC	N, P	1961		5	2.0	1.3	1.3	IC	N, P	1950
Burwell, City of	1	1.4	1.4	1.4	IC	N, P	1972		6	2.5	2.1	2.1	IC	N, P	1958
-Burwell (Garfield)	2	1.1	1.1	1.1	IC	N, P	1968		7	6.3	6.3	6.3	IC	N, P	1972
	3	0.9	0.9	0.9	IC	N, P	1960		8	6.0	6.1	6.1	IC	N, P	1982
	4	0.7	0.7	0.7	IC	P	1955	Franklin, City of	1	0.7	0.7	0.7	IC	N, P	1963
Callaway, Village of	1	0.2	0.2	0.2	IC	P	1948	-Franklin (Franklin)	2	1.4	1.4	1.4	IC	N, P	1974
-Callaway (Custer)	2	0.2	0.2	0.2	IC	P	1950		3	1.1	1.1	1.1	IC	N, P	1969
	3	0.5	0.5	0.5	IC	P	1960		4	0.9	0.9	0.9	IC	N, P	1955
Cambridge, City of	1	0.8	0.7	0.7	IC	P	1957	Fremont, City of	6	16.5	15.0	15.0	ST	S, B	1957
-Cambridge (Furnas)	2	0.9	0.8	0.8	IC	P	1963	-Lon Wright (Dodge)	7	22.0	20.0	20.0	ST	B, S	1963
	3	1.4	1.2	1.2	IC	P	1971		8	91.5	85.0	85.0	ST	B, S	1976
Campbell, Village of	IC4	1.1	1.0	1.0	IC	P	1983	Grand Island, City of							
-Campbell (Franklin)	1	0.0	0.0	0.0	IC	P	1927	-C. W. Burdick	GT1	16.0	14.8	14.8	GT	N, P	1968
	2	0.1	0.1	0.1	IC	P	1937	(Hall)	1	18.8	16.5	16.5	ST	N, P	1957
	3	0.1	0.1	0.1	IC	P	1946		2	25.0	22.0	22.0	ST	N, P	1963
Central Nebraska Public Power & Irrigation District									3	54.4	54.0	54.0	ST	N, P	1971
-Canaday (Gosper)	1	108.8	107.0	107.0	ST	N, P	1958	-Platte (Hall)	1	109.8	100.0	100.0	ST	S	1982
-Jeffrey Canyon	1	9.0	9.0	9.0	HC	W	1941	Hastings, City of							
(Lincoln)	2	9.0	9.0	9.0	HC	W	1941	-Don Henry (Adams)	1	22.0	18.0	25.0	GT	P, N	1972
-Johnson 1 (Gosper)	1	9.0	9.0	9.0	HC	W	1941	-Hastings Energy							
	2	9.0	9.0	9.0	HC	W	1941	Center (Adams)	1	76.3	72.0	72.0	ST	S	1981
-Johnson 2 (Gosper)	1	19.0	19.0	19.0	HC	W	1941	-North Denver (Adams)	4	17.0	13.0	13.0	ST	N, P	1957
-Kingsley (Keith)	1	50.0	38.0	38.0	HC	W	1984		5	22.0	20.0	20.0	ST	N, P	1967
Chappell, City of	1	0.2	0.2	0.2	IC	P	1947	Holdrege, City of	1	0.5	0.5	0.5	IC	P	1937
-Chappell (Deuel)	5	1.2	1.2	1.2	IC	P	1982	-Holdrege (Pheips)	2	1.5	1.0	1.0	IC	P	1951
									3	0.5	0.5	0.5	IC	P	1944
Unit ID - Unit Identification Number								Kimball, City of	1	1.0	0.7	0.8	IC	N, P	1956
GN - Generator Nameplate								-Kimball (Kimball)	2	1.0	0.7	0.8	IC	N, P	1955
Summ. Cap. - Summer Capability									3	1.3	1.0	1.1	IC	N, P	1959
Winter Cap. - Winter Capability									4	1.3	1.0	1.1	IC	N, P	1960
UT - Unit Type									5	0.9	0.7	0.7	IC	N, P	1944
ES - Energy Source									6	3.9	3.6	3.7	IC	N, P	1974
Yr. of IO. - Year of Initial Operation															

Continued on Next Page

Electricity Generation

Company -Plant (county)	Unit ID	GN (MW)	Summ. Cap. (MW)	Winter Cap. (MW)	UT. ¹	ES. ²	Yr. of IO.
Laurel, City of	1	1.4	1.1	1.2	IC	N, P	1974
-Laurel (Cedar)	2	0.9	0.7	0.8	IC	N, P	1970
	3	0.7	0.5	0.6	IC	N	1965
	4	0.4	0.4	0.5	IC	N, P	1960
	6	0.2	0.2	0.2	IC	N, P	1956
	7	1.4	1.1	1.2	IC	N, P	1992
Lincoln, City of							
-Lincoln J Street (Lancaster)	1	27.0	25.1	28.8	GT	N, P	1972
-Rokeby (Lancaster)	1	72.4	69.2	72.0	GT	N, P	1975
Lodgepole, City of	1	0.1	0.1	0.1	IC	P	1937
-Lodgepole (Cheyenne)	2	0.2	0.2	0.2	IC	P	1949
Madison, City of	FM1	2.1	1.7	1.7	IC	P	1959
Madison Utilities	FM2	1.4	1.0	1.0	IC	P, N	1959
(Madison)	FM3	1.1	0.9	0.9	IC	P, N	1953
	FM4	0.7	0.4	0.4	IC	P	1948
Mullen, Village of	3	0.5	0.3	0.4	IC	P	1958
-Mullen (Hooker)	4	0.7	0.6	0.6	IC	P	1966
Nebraska City, City of	10	6.5	6.5	6.5	IC	N, P	1979
-Nebraska City (Otoe)	2	1.5	1.5	1.5	IC	N, P	1953
	3	2.5	2.2	2.4	IC	N, P	1955
	4	3.1	3.1	3.1	IC	N, P	1957
	5	2.0	2.0	2.0	IC	N, P	1964
	8	4.1	3.9	3.9	IC	N, P	1971
	9	6.4	6.4	6.4	IC	N, P	1974
-Syracuse (Otoe)	6	2.0	2.0	2.0	IC	N, P	1969
	7	2.0	2.0	2.0	IC	N, P	1970
Nebraska Public Power District							
-Columbus (Platte)	1	13.3	13.3	13.3	HC	W	1935
	2	13.3	13.3	13.3	HC	W	1935
	3	13.3	13.4	13.4	HC	W	1935
-Cooper Station (Nemaha)	1	835.6	778.0	778.0	NB	U	1974
-David City Plant (Butler)	1	2.1	1.3	1.3	IC	N, P	1959
	2	1.3	0.8	0.8	IC	N, P	1948
	3	1.0	0.9	0.9	IC	N, P	1954
	4	2.3	1.8	1.8	IC	N, P	1966
-Gerald Gentleman Station (Lincoln)	1	681.3	657.5	657.5	ST	(S)	1979
	2	681.3	700.0	700.0	ST	(S)	1981
-Hallam Peaking (Lancaster)	1	56.7	50.0	60.0	GT	P	1972
-Hebron Peaking (Thayer)	1	56.7	43.5	60.0	GT	P	1972
-Kearney (Buffalo)	1	1.5	1.0	1.5	HC	W	1920
-Lyons Plant (Burt)	2	0.5	0.4	0.5	IC	P	1959
	3	0.8	0.7	0.8	IC	P	1952
	4	1.2	1.1	1.1	IC	P	1948
	5	0.3	0.3	0.3	IC	P	1929
-Madison Plant (Madison)	1	2.1	1.7	1.7	IC	N, P	1968
	2	1.4	1.0	1.0	IC	N, P	1958
	3	1.1	0.9	0.9	IC	N, P	1952
	4	0.7	0.5	0.5	IC	P	1945
-McCook Peaking (Red Willow)	1	56.7	49.0	58.0	GT	P	1972
-Minnechadua (Cherry)	1	0.2	0.1	0.2	HC	W	1929
-Mobile (York)	3	1.0	0.8	0.8	IC	P	1979
-Monroe (Platte)	1	2.6	2.5	2.6	HC	W	1935
	2	2.6	2.5	2.6	HC	W	1935
	3	2.6	2.5	2.6	HC	W	1935

Company -Plant (county)	Unit ID	GN. (MW)	Summ. Cap. (MW)	Winter Cap. (MW)	UT. ¹	ES. ²	Yr. of IO.
-North Platte (Lincoln)	1	13.1	12.0	12.0	HC	W	1934
	2	13.1	12.0	12.0	HC	W	1934
-Ord Plant (Valley)	1	5.0	4.0	4.0	IC	N, P	1972
	2	1.5	1.5	1.5	IC	P, N	1965
	3	2.4	2.0	2.0	IC	P, N	1962
	4	1.0	0.8	0.8	IC	P, N	1946
-Schuyler Plant (Colfax)	1	5.0	5.2	5.2	ST	N, P	1957
	2	2.5	2.8	2.8	ST	N, P	1954
-Sheldon (Lancaster)	1	108.8	105.0	105.0	ST	(S)	1960
	2	119.9	120.0	120.0	ST	(S)	1964
-Spencer (Boyd)	1	0.8	0.8	0.8	HC	W	1926
	2	1.6	1.0	1.0	HC	W	1951
-Sutherland Plant (Lincoln)	1	0.5	0.4	0.4	IC	N, P	1951
	2	0.9	1.0	1.0	IC	N, P	1958
	3	0.2	0.2	0.2	IC	P, N	1934
	4	1.4	1.2	1.2	IC	P, N	1963
-Wakefield Plant (Dixon)	IC4	0.9	0.5	0.5	IC	N, P	1960
	5	1.4	1.0	1.0	IC	N, P	1965
	6	1.4	1.0	1.0	IC	N, P	1970
Omaha Public Power District							
-Fort Calhoun (Washington)	1	502.0	476.0	492.0	NP	U	1973
-Jones Street (Douglas)	1	65.0	54.7	63.7	GT	P	1973
	2	65.0	54.7	63.7	GT	P	1973
-Nebraska City (Otoe)	1	615.9	584.9	585.7	ST	B	1979
-North Omaha (Douglas)	1	73.5	75.6	55.8	ST	S, N	1954
	2	108.8	109.4	95.2	ST	S, N	1957
	3	108.8	110.5	95.2	ST	S, N	1959
	4	136.0	133.2	115.0	ST	S, N	1963
	5	217.6	214.7	173.2	ST	S, N	1968
-Sarpy (Sarpy)	1	55.4	51.4	62.3	GT	N, P	1972
	2	55.4	51.4	62.3	GT	N, P	1972
Oxford, Village of	1	0.6	0.3	0.4	IC	P	1946
-Oxford (Furnas)	2	0.7	0.5	0.5	IC	P	1953
	3	0.9	0.8	0.9	IC	P	1956
	4	0.7	0.5	0.5	IC	P	1956
	5	1.4	1.2	1.3	IC	P	1972
Pender, City of	1	1.6	1.2	1.2	IC	N, P	1968
-Pender (Thurston)	2	2.1	2.0	2.0	IC	N, P	1973
	3	0.6	0.5	0.5	IC	N, P	1953
	4	0.9	0.8	0.8	IC	N, P	1961
	5	0.3	0.2	0.2	IC	N, P	1939
Plainview, City of	1	1.0	1.0	1.0	IC	N	1949
-Plainview Municipal Power (Pierce)	2	0.9	0.9	0.9	IC	N	1958
	3	1.3	1.3	1.3	IC	N	1963
Red Cloud, City of	1	0.6	0.5	0.5	IC	P	1949
-Red Cloud (Webster)	2	1.0	0.7	0.7	IC	P	1953
	3	1.4	1.3	1.3	IC	P	1960
	4	1.4	1.3	1.3	IC	P	1968
	5	2.3	2.2	2.2	IC	P	1973
Sargent, City of	1	1.1	1.1	1.1	IC	P, N	1968
-Sargent (Custer)	3	0.9	0.9	0.9	IC	P, N	1964
	4	0.5	0.4	0.4	IC	P, N	1954
Sidney, City of	1	1.2	0.8	0.9	IC	N, P	1949
-Sidney (Cheyenne)	2	2.2	2.0	2.1	IC	N, P	1952
	3	0.8	0.6	0.7	IC	P	1931
	4	1.0	0.8	0.8	IC	N, P	1947
	5	3.1	2.8	2.8	IC	N, P	1956

Unit ID - Unit Identification Number
GN - Generator Nameplate
Summ. Cap. - Summer Capability
Winter Cap. - Winter Capability
UT - Unit Type
ES - Energy Source
Yr. of IO. - Year of Initial Operation

Continued on Next Page

Electricity Generation

Company -Plant (county)	Unit ID	GN (MW)	Summ. Cap. (MW)	Winter Cap. (MW)	UT. ¹	ES. ²	Yr. of IO.	Company -Plant (county)	Unit ID	GN. (MW)	Summ. Cap. (MW)	Winter Cap. (MW)	UT. ¹	ES. ²	Yr. of IO.
Southwest Public Power District								Wakefield, City of							
-Palisade (Hitchcock)	1	0.3	0.3	0.3	IC	P	1950	City of Wakefield (Dixon)	2456	3.9	3.2	3.9	IC	N,P	1915
Spalding, Village of	1	0.0	0.0	0.0	HC	W	1919	Wayne, City of -Wayne (Wayne)	1	1.5	0.8	0.8	IC	P	1952
-Spalding (Greeley)	2	0.1	0.1	0.1	HC	W	1956		2	1.0	0.9	0.9	IC	P	1946
	4	0.2	0.2	0.2	IC	P	1947		3	2.0	1.8	1.8	IC	P	1956
	5	0.5	0.5	0.5	IC	P	1959		4	2.0	1.9	1.9	IC	P	1959
	6	1.4	1.4	1.4	IC	P	1975		5	3.8	3.3	3.3	IC	P	1965
									6	5.1	4.9	4.9	IC	P	1967
Stuart, City of								West Point, City of							
-Stuart (Holt)	1	0.7	0.7	0.7	IC	P, N	1952	-West Point Municipal (Cuming)	2	0.9	0.9	0.9	IC	N, P	1947
	2	0.3	0.3	0.3	IC	P, N	1960		3	1.3	1.2	1.2	IC	N, P	1959
	3	0.3	0.3	0.3	IC	P, N	1952		4	2.3	2.3	2.3	IC	N, P	1965
	4	0.2	0.2	0.2	IC	P, N	1946		5	4.1	4.1	4.1	IC	N, P	1971
Tecumseh, City of								Wilber, City of							
-Tecumseh (Johnson)	1	0.8	0.6	0.6	IC	P, N	1948	-Wilber (Saline)	4	1.1	1.0	1.0	IC	P, N	1960
	2	1.6	1.4	1.4	IC	P, N	1968		5	1.0	0.6	0.6	IC	P, N	1960
	3	1.2	1.0	1.0	IC	P, N	1953	Wisner, City of							
	4	1.4	1.2	1.2	IC	P, N	1960	-Wisner (Cuming)	1	0.6	0.6	0.6	IC	P	1954
	6	2.4	2.4	2.4	IC	P, N	1993		2	0.5	0.5	0.5	IC	P	1947
Trenton, City of									3	0.8	0.8	0.8	IC	P	1969
-Trenton (Hitchcock)	240	0.2	0.2	0.2	IC	P	1936	Source: <i>Inventory of Power Plants in the United States, 1990</i> . Energy Information							
	375	0.3	0.3	0.3	IC	P	1947	Administration, U.S. Department of Energy. Washington, D.C. October 1991.							
	561	0.4	0.4	0.4	IC	P	1952	Notes: ¹ UT. —							
Wahoo, City of								Unit Type:							
-Wahoo (Saunders)	1	2.5	2.2	2.2	IC	N, P	1960	GT = Combustion (gas) Turbine							
	2	0.5	0.5	0.5	IC	P	1936	HC = Hydraulic Turbine - Conventional							
	3	4.4	4.5	4.5	IC	N, P	1973	IC = Internal Combustion (diesel)							
	4	1.2	1.2	1.1	IC	N, P	1947	NB = Steam Turbine - Boiling Water Nuclear Reactor							
	5	2.1	2.3	2.3	IC	N, P	1952	NP = Steam Turbine - Pressurized Water Nuclear Reactor							
	6	3.5	3.4	3.4	IC	N, P	1969	ST = Steam Turbine - Boiler							

Unit ID - Unit Identification Number
GN - Generator Nameplate
Summ. Cap. - Summer Capability
Winter Cap. - Winter Capability
UT - Unit Type
ES - Energy Source
Yr. of IO. - Year of Initial Operation

² ES. —
Energy
Source:
B = Bituminous Coal
N = Natural Gas
P = Petroleum
S = Subbituminous Coal
U = Uranium
W = Water

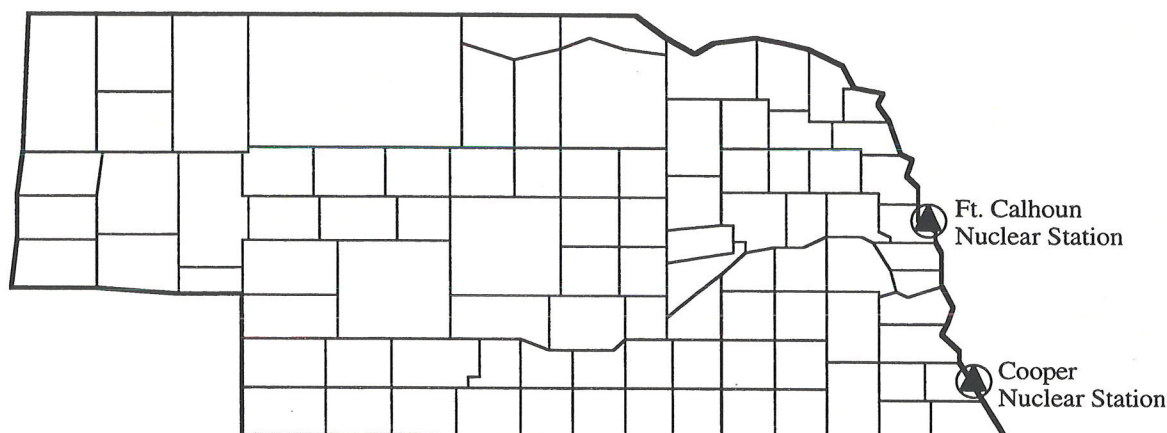
A second energy source for a generating unit denotes alternate fuel capabilities.

Generator Nameplate = The full-load continuous rating of a generator, prime mover or other electrical equipment under specified conditions as designated by the manufacturer.

Capability = The maximum load that a generating unit, generating station or other electrical apparatus can carry under specified conditions for a given period of time without exceeding approved limits of temperature and stress.

Nuclear power generation by Nebraska Public Power District's Cooper Station was 3,713 gigawatthours. Generation from Omaha Public Power District's Fort Calhoun Station was 3,092 gigawatthours. It should be noted that by contract 50% of the production of Cooper Station belongs to the Iowa Power and Light Company.

Figure 83
Nuclear Power Plant Locations, Nebraska, 1993



Nuclear Power Generation, Nebraska, Monthly 1984-1993

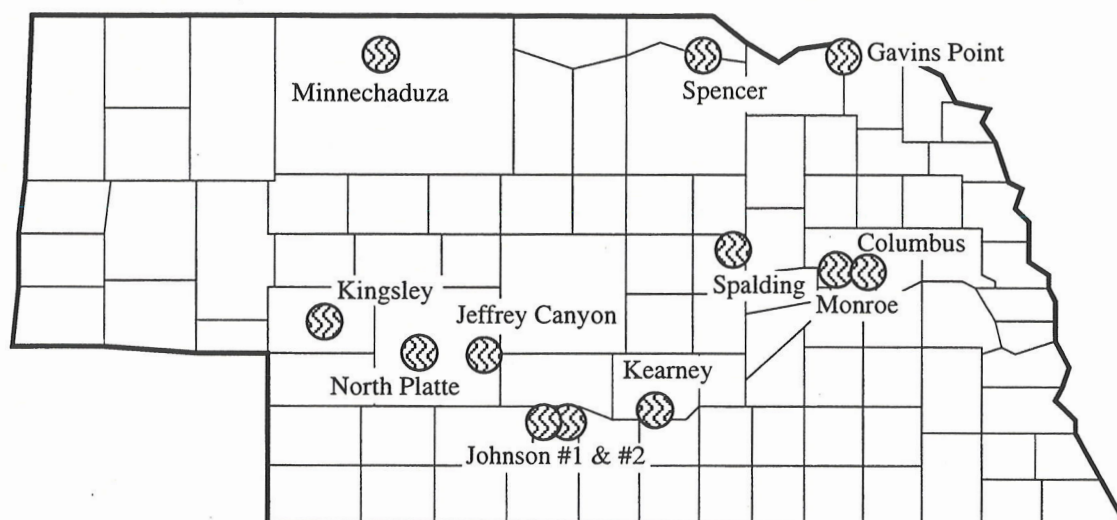
(Megawatthours)

Fort Calhoun Station										
	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	338,781	360,548	45,548	357,732	364,312	0	345,493	245,881	306,777	361,239
February	303,975	327,218	268,314	328,671	265,880	227,964	174,873	269,381	-3,136	325,149
March	10,691	325,246	299,945	70,782	246,383	348,889	-2,516	242,259	-2,430	321,400
April	-2,413	348,266	341,199	0	334,198	308,433	-2,390	219,323	-3,593	197,655
May	-4,643	357,817	352,665	0	354,019	172,324	305	256,830	245,456	312,114
June	-4,959	340,692	336,951	172,807	323,803	332,662	241,119	279,013	318,788	279,499
July	127,089	317,599	310,942	352,609	309,476	336,385	350,967	346,100	99,319	350,270
August	347,887	349,855	240,448	354,999	290,624	337,473	267,504	267,504	217,749	351,206
September	329,418	309,015	344,904	348,568	139,148	221,820	271,513	130,882	270,874	249,256
October	360,988	0	360,929	364,469	0	323,325	278,931	230,142	359,496	-2,160
November	202,785	0	351,243	352,792	0	335,147	312,010	350,526	349,447	11,118
December	300,786	0	352,303	363,193	0	346,640	162,109	361,687	361,792	335,609
Total	2,310,385	3,036,256	3,605,391	3,066,622	2,627,843	3,291,062	2,399,918	3,199,528	2,520,539	3,092,355

Cooper Station										
	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	452,097	0	566,365	316,751	453,516	440,465	563,523	568,899	573,389	557,613
February	469,584	0	477,426	425,583	325,983	379,013	477,587	514,940	414,200	470,542
March	491,524	0	480,805	471,938	60,697	536,610	28,510	452,755	572,231	68,636
April	252,349	0	351,272	456,534	0	111,857	0	549,215	436,550	0
May	348,876	0	357,889	327,694	0	0	418,981	520,511	572,244	0
June	391,512	0	473,407	496,787	156,041	183,544	543,625	534,738	546,396	0
July	497,056	0	510,041	552,087	498,861	550,108	545,822	521,060	543,976	0
August	409,237	27,492	442,260	520,458	485,768	558,593	557,467	481,092	484,005	506,890
September	157,718	307,228	353,632	414,983	535,003	494,837	543,565	417,970	428,285	552,399
October	0	75,573	39,041	532,498	567,811	550,123	314,867	46,595	545,259	570,530
November	0	94,562	0	476,599	553,854	440,226	545,366	0	550,316	556,053
December	0	562,893	0	530,214	563,176	540,585	572,067	196,032	561,078	430,115
Total	3,469,953	1,067,748	4,052,138	5,522,126	4,200,710	4,785,961	5,111,380	4,803,807	6,227,929	3,712,778

Sources: *Electric Power Quarterly*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. Quarterly.
Electric Power Monthly. Energy Information Administration, U.S. Department of Energy. Washington, D.C. Quarterly.

Figure 84
Hydro Power Plant Locations, Nebraska, 1993



Hydro Power Generation, Nebraska, 1984-1993

(Megawatthours)

Plant	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Central Nebraska Public Power and Irrigation Dist.										
Jeffrey Canyon	124,544	106,033	143,678	125,499	102,708	82,095	87,037	73,650	87,341	89,562
Johnson No. 1	78,726	73,140	103,589	94,980	67,897	47,939	54,719	43,570	54,484	63,908
Johnson No. 2	85,884	91,518	129,784	118,269	82,995	55,046	65,670	50,833	65,431	68,577
Kingsley ⁽¹⁾	31,712	114,336	195,983	112,243	95,767	70,948	75,154	54,995	45,854	47,103
Imperial ⁽²⁾	0	0	0	-	-	-	-	-	-	-
Nebraska Public Power District										
Blue Springs ⁽³⁾	254	294	249	54	0	-	-	-	-	-
Columbus	89,391	115,503	121,310	105,191	106,049	97,719	108,277	103,884	120,151	114,912
Fort Niobrara ⁽⁴⁾	1,397	146	-	-	-	-	-	-	-	-
Kearney	624	497	589	466	157	358	260	-	36	16
Minnechadua	496	249	407	243	237	149	195	224	135	118
Monroe	18,114	23,541	24,967	19,903	21,400	20,443	22,244	20,611	23,919	24,486
North Platte	161,562	133,942	154,376	165,177	99,249	86,254	97,421	63,130	84,131	84,310
Spencer	13,531	11,267	13,688	12,762	12,734	11,066	11,191	12,375	9,432	13,117
Norris Public Power District										
Barneston ⁽²⁾	0	0	0	-	-	-	-	-	-	-
Spalding	881	753	696	567	379	356	559	505	579	426
U.S. Corps of Engineers										
Gavins Point	737,441	769,438	800,685	811,865	760,617	685,743	617,366	620,894	583,953	495,128
Total	1,344,557	1,440,657	1,679,001	1,567,219	1,350,189	1,158,116	1,140,093	1,044,671	1,075,446	1,001,663

Source: *Electric Power Quarterly*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. Quarterly.

Notes: (1) Initial operation in November 1984.

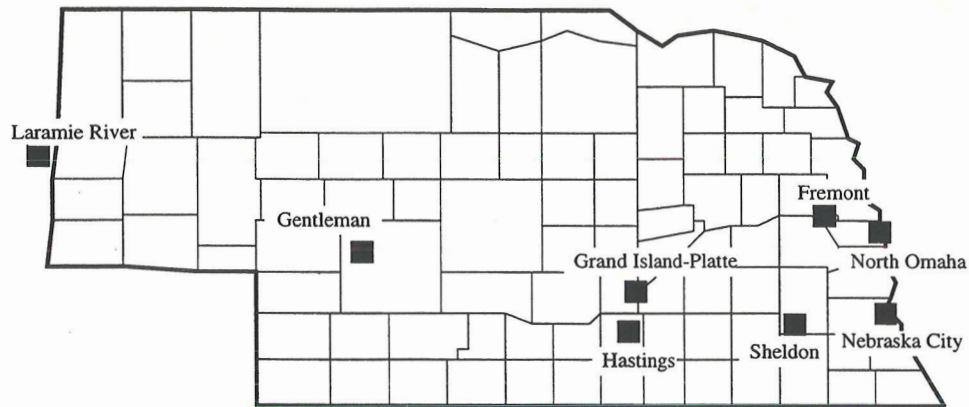
(2) Retired from service in 1986.

(3) Retired from service in 1988.

(4) Retired from service in 1985.

Figure 85

Coal Power Plant Locations, Nebraska, 1993



Coal Plant Generation, Nebraska, 1984-1993

(Megawatthours)

Plant	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Alliance ⁽¹⁾	0	0	0	0	0	0	-	-	-	-
Fremont	243,432	241,296	209,405	242,078	218,763	249,459	265,604	241,119	272,296	254,667
Grand Island-Platte	274,818	259,864	306,711	244,990	408,357	428,940	414,625	499,514	382,774	507,108
Hastings	158,760	156,322	147,543	135,679	221,569	233,964	212,236	308,220	244,750	365,448
Nebraska Public Power District										
Gentleman	5,379,998	5,474,240	4,726,544	4,857,394	5,307,175	5,822,376	5,474,355	5,645,197	5,439,630	6,836,456
Kramer ⁽²⁾	84,138	67,719	50,421	28,935	-	-	-	-	-	-
Sheldon	188,400	263,466	198,723	242,367	964,903	955,111	1,017,070	1,032,761	959,057	1,090,836
Omaha Public Power District										
Nebraska City	3,033,131	2,343,048	2,271,842	2,992,130	2,990,540	1,896,001	3,098,547	3,676,003	2,752,288	3,241,132
North Omaha	1,353,861	1,426,427	1,417,872	1,409,047	2,113,775	1,996,182	2,176,027	2,160,001	2,351,353	2,444,136
Nebraska Total	10,716,538	10,232,382	9,329,061	10,152,618	12,225,082	11,582,033	12,658,464	13,562,815	12,402,148	14,739,783
Lincoln Electric System										
Laramie River ⁽³⁾	1,099,356	1,191,019	1,345,984	1,265,092	1,163,574	1,054,165	1,172,391	1,355,729	1,448,742	1,336,458

Source: *Electric Power Quarterly*. Energy Information Administration, U.S. Department of Energy. Washington, D.C. Quarterly.

Notes: (1) Retired from service in 1990.

(2) Retired from service in 1987.

(3) LES ownership share of Laramie River plant in Wyoming.

Purchases of electricity from the Western Area Power Administration represented approximately 11.5% of electricity used in Nebraska in 1993. This electricity was obtained by municipalities, state agencies and public utility districts in Nebraska at a cost of 1.68 cents per kilowatthour.

Figure 86

Electricity Purchased from the Western Area Power Administration, Total Cost and Price per kWh, Nebraska, Fiscal Year 1979-1993

	Megawatts purchased	Total Cost (\$)	Average Price (cents per kWh)
1979	2,423,228	\$22,933,068	0.96¢
1980	2,582,247	22,070,203	0.86
1981	2,603,731	22,865,212	0.88
1982	2,233,519	19,115,046	0.86
1983	2,659,724	24,132,656	0.91
1984	2,321,477	20,547,067	0.89
1985	2,477,032	24,516,430	0.99
1986	2,237,948	22,397,334	1.00
1987	2,313,112	23,266,491	1.01
1988	2,169,880	21,114,065	0.97
1989	2,152,859	21,193,362	0.98
1990	2,062,051	24,587,334	1.19
1991	2,110,110	29,066,394	1.38
1992	2,096,373	33,332,203	1.59
1993	2,166,067	\$36,296,611	1.68¢

Source: *Western Area Power Administration Annual Reports*.

Note: Nebraska customers of the Western Area Power Administration in 1993 included were 47 municipalities, one rural electric cooperative, eight state agencies, five public utility districts and five other districts.

Miscellaneous Statistics

Overview

This section includes other data such as heating and cooling degree days, population, motor vehicle registrations, motor vehicle mileage and irrigation acreage which have an impact on energy consumption in Nebraska.

Figure 87

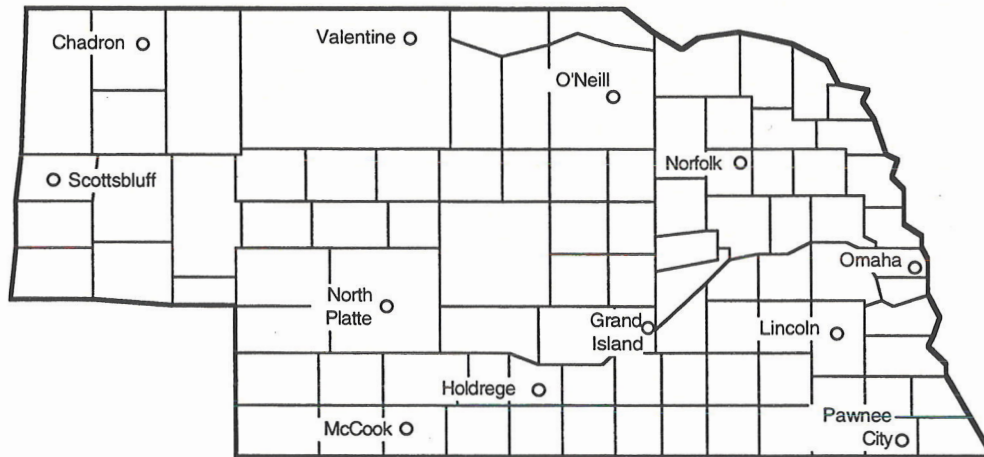
Heating Degree Days Weighted by Population, Nebraska, Monthly 1970-1993 (Degree Days)

Year	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1970	1,463	912	973	447	112	26	7	1	114	482	847	1,130	6,514
1971	1,397	1,108	906	397	244	14	22	9	107	308	761	1,136	6,409
1972	1,361	1,056	729	461	190	27	17	15	111	488	899	1,371	6,725
1973	1,280	1,006	714	483	235	25	12	0	147	302	803	1,264	6,271
1974	1,440	926	711	386	164	42	0	32	173	314	771	1,157	6,116
1975	1,271	1,201	1,029	529	156	45	7	2	160	306	814	1,124	6,644
1976	1,261	784	818	349	229	32	7	7	97	534	961	1,194	6,273
1977	1,539	886	714	286	89	16	1	22	87	399	812	1,224	6,075
1978	1,650	1,393	929	425	207	27	9	12	53	399	867	1,365	7,336
1979	1,738	1,386	865	491	232	35	14	13	69	368	909	1,000	7,120
1980	1,280	1,162	955	419	182	19	0	2	78	428	698	1,087	6,310
1981	1,117	947	722	228	241	20	9	19	99	445	693	1,211	5,751
1982	1,590	1,122	884	518	178	87	7	13	123	387	881	1,090	6,880
1983	1,181	927	843	635	282	48	1	0	70	371	786	1,757	6,901
1984	1,304	869	1,007	560	230	26	10	1	152	419	771	1,176	6,525
1985	1,407	1,154	703	325	133	57	10	29	147	418	1,119	1,410	6,912
1986	1,021	1,088	648	399	176	16	6	30	90	404	901	1,090	5,869
1987	1,109	796	788	348	108	18	2	22	115	519	697	1,081	5,603
1988	1,434	1,119	774	453	109	8	9	2	95	486	767	1,054	6,310
1989	1,035	1,349	893	359	185	60	7	12	143	378	834	1,431	6,686
1990	1,009	974	757	467	258	21	14	9	54	403	699	1,347	6,012
1991	1,446	815	741	381	134	17	9	9	94	436	1,042	1,033	6,157
1992	1,009	790	696	473	182	68	36	52	118	402	946	1,231	6,003
1993	1,458	1,267	922	548	217	62	15	15	202	449	944	1,083	7,182
Average	1,325	1,043	822	432	186	34	10	14	112	410	843	1,210	6,441

Sources: State, Regional and National Monthly and Seasonal Heating Degree Days, Weighted by Population (1980 Census) July 1931-June 1987. National Oceanic and Atmospheric Administration. Asheville, N.C. October 1987. Monthly State, Regional and National Heating Degree Days Weighted by Population. National Oceanic and Atmospheric Administration. Asheville, N.C. Monthly.

Figure 88

Heating and Cooling Degree Days, Selected Nebraska Cities, Monthly 1975-1993



Chadron

Heating Degree Days														Cooling Degree Days													
	J	F	M	A	M	J	J	A	S	O	N	D	Total	J	F	M	A	M	J	J	A	S	O	N	D	Total	
1975	1,221	1,235	1,047	678	308	82	2	9	200	467	927	1,037	6,746	0	0	0	1	14	82	397	261	34	20	0	0	809	
1976	1,311	851	911	497	268	77	0	2	122	604	989	1,149	6,781	0	0	0	0	5	112	341	266	98	7	0	0	829	
1977	1,502	817	884	426	147	10	3	34	105	428	888	1,258	6,505	0	0	0	4	31	222	337	137	92	0	0	0	823	
1978	1,588	1,344	863	534	280	62	12	34	117	457	1,033	1,572	7,896	0	0	0	0	31	150	268	233	165	0	0	0	847	
1979	1,760	1,247	860	518	327	69	1	11	75	411	998	959	7,236	0	0	0	8	20	143	276	202	127	0	0	0	776	
1980	1,296	1,051	984	495	254	33	0	5	99	495	794	1,014	6,520	0	0	0	11	20	170	390	220	86	3	0	0	900	
1981	1,024	996	771	336	293	30	16	2	82	475	706	1,191	5,922	0	0	0	4	16	151	340	215	97	5	0	0	828	
1982	1,528	1,068	873	630	297	110	1	0	145	518	892	1,140	7,202	0	0	0	0	7	42	299	348	89	0	0	0	785	
1983	995	782	845	724	409	90	2	0	164	421	902	1,781	7,115	0	0	0	0	11	101	363	401	121	0	0	0	997	
1984	1,268	910	892	629	253	57	0	0	231	584	831	1,284	6,939	0	0	0	0	39	118	302	342	62	2	0	0	865	
1985	1,396	1,164	853	410	116	91	1	13	236	470	1,377	1,392	7,519	0	0	0	8	64	131	362	261	104	0	0	0	930	
1986	1,101	1,125	641	551	239	18	0	1	171	473	938	1,076	6,334	0	0	0	0	16	176	284	228	14	0	0	0	718	
1987	1,078	879	992	408	153	35	12	40	148	530	735	1,122	6,132	0	0	0	8	18	126	309	190	36	0	0	0	687	
1988	1,406	1,105	893	539	215	10	12	18	150	464	993	1,087	6,892	0	0	0	4	62	320	195	204	27	0	0	0	812	
1989	1,089	1,340	957	550	259	108	0	0	178	542	814	1,389	7,226	0	0	0	9	15	83	402	284	83	0	0	0	876	
1990	972	1,002	865	552	335	30	2	3	110	505	791	1,508	6,675	0	0	0	2	0	175	285	262	133	4	0	0	861	
1991	1,437	798	800	563	221	8	5	0	120	559	1,063	1,015	6,589	0	0	0	0	31	185	215	328	109	5	0	0	873	
1992	1,083	837	771	560	232	49	19	55	168	433	940	1,399	6,546	0	0	0	0	33	91	113	142	27	9	0	0	415	
1993	1,366	1,295	871	549	223	121	36	34	323	618	1,030	1,028	7,494	0	0	0	0	23	68	94	119	6	1	0	0	311	
Avrg.	1,285	1,045	872	534	254	57	7	14	155	498	928	1,232	6,856	0	0	0	3	24	139	293	244	79	3	0	0	786	

Grand Island

Heating Degree Days													Cooling Degree Days													
	J	F	M	A	M	J	J	A	S	O	N	D	Total	J	F	M	A	M	J	J	A	S	O	N	D	Total
1975	1,302	1,221	1,052	524	127	31	0	0	178	296	870	1,166	6,767	0	0	0	2	49	158	373	384	66	28	0	0	1,060
1976	1,251	791	808	354	198	11	0	0	95	551	944	1,139	6,142	0	0	0	9	29	196	387	344	111	12	0	0	1,088
1977	1,461	861	729	280	15	0	0	1	47	380	768	1,185	5,727	0	0	0	24	85	268	437	214	77	0	0	0	1,105
1978	1,632	1,395	914	409	205	25	0	3	64	400	886	1,438	7,371	0	0	5	5	47	293	355	283	169	2	0	0	1,159
1979	1,777	1,431	866	492	258	38	9	10	49	366	915	978	7,189	0	0	0	0	36	211	294	303	132	2	0	0	978
1980	1,340	1,191	946	420	176	11	0	2	71	420	694	1,084	6,355	0	0	0	20	56	261	493	377	133	9	0	0	1,349
1981	1,113	934	716	221	255	7	9	0	80	439	713	1,245	5,732	0	0	0	25	15	259	356	219	74	0	0	0	948
1982	1,612	1,148	925	537	148	61	0	12	139	385	896	1,120	6,983	0	0	0	1	24	90	364	248	92	2	0	0	821
1983	1,216	933	832	635	269	37	0	0	89	349	793	1,751	6,904	0	0	0	0	23	183	460	546	194	8	0	0	1,414
1984	1,276	875	974	521	177	3	0	0	184	405	764	1,185	6,364	0	0	0	2	42	264	374	386	105	4	0	0	1,177
1985	1,372	1,147	664	319	76	39	0	13	217	399	1,120	1,334	6,700	0	0	0	33	81	158	335	195	134	0	0	0	936
1986	962	1,035	587	392	108	0	0	17	49	403	882	1,052	5,487	0	0	10	1	30	306	407	193	95	1	0	0	1,043
1987	1,071	793	789	356	68	7	0	32	82	527	708	1,103	5,536	0	0	0	30	99	273	442	233	76	4	1	0	1,158
1988	1,441	1,109	761	435	87	2	7	8	78	474	770	997	6,169	0	0	0	2	111	366	332	351	111	0	0	0	1,273
1989	994	1,339	864	393	152	22	0	14	152	345	786	1,368	6,429	0	0	2	67	63	147	371	291	94	9	0	0	1,044
1990	956	947	717	456	221	17	7	0	76	360	655	1,303	5,715	0	0	0	26	16	260	295	302	203	19	0	0	1,121
1991	1,358	742	708	370	129	1	0	0	110	442	994	977	5,831	0	0	0	22	108	312	351	306	160	11	0	0	1,270
1992	947	778	686	433	170	23	10	25	92	381	959	1,223	5,727	0	0	0	13	55	103	172	156	87	13	0	0	599
1993	1,468	1,271	928	550	177	45	0	9	170	460	911	1,028	7,017	0	0	0	0	21	146	269	273	27	23	0	0	759
Avg.	1,292	1,050	814	426	159	20	2	8	106	410	844	1,193	6,323	0	0	1	15	52	224	361	295	113	8	0	0	1,069

See notes and sources after Valentine Cooling Degree Days.

Heating and Cooling Degree Days, Selected Nebraska Cities, Monthly, 1975-1993

Holdrege

	Heating Degree Days													Total	Cooling Degree Days													Total
	J	F	M	A	M	J	J	A	S	O	N	D	J		F	M	A	M	J	J	A	S	O	N	D			
1975	1,165	1,142	983	471	137	30	2	1	143	299	910	1,119	6,402	0	0	0	12	43	140	318	330	71	25	0	0	939		
1976	1,239	768	786	386	206	10	0	0	92	534	930	1,085	6,036	0	0	0	1	27	198	364	340	95	9	0	0	1,034		
1977	1,403	809	710	288	25	0	0	3	27	335	788	1,151	5,539	0	0	0	8	45	284	409	228	105	0	0	0	1,079		
1978	1,570	1,336	862	393	189	25	0	4	44	347	839	1,286	6,895	0	0	2	15	48	255	367	262	173	5	0	0	1,127		
1979	1,647	1,211	802	447	210	26	8	12	38	303	911	940	6,555	0	0	0	8	33	185	273	258	144	7	0	0	908		
1980	1,262	1,191	989	459	161	14	0	8	68	402	682	1,037	6,273	0	0	0	9	38	239	440	324	106	13	0	0	1,169		
1981	1,047	942	713	265	279	27	4	0	60	426	706	1,117	5,586	0	0	0	23	6	196	312	234	84	0	0	0	855		
1982	1,461	1,115	881	532	166	77	0	14	122	403	886	1,084	6,741	0	0	0	3	19	76	336	250	93	2	0	0	779		
1983	1,171	929	845	639	294	47	0	0	91	340	768	1,714	6,838	0	0	0	0	19	165	419	499	157	15	0	0	1,274		
1984	1,295	888	981	618	217	11	0	0	183	446	774	1,160	6,573	0	0	0	0	26	205	317	364	110	1	0	0	1,023		
1985	1,373	1,142	701	339	86	52	0	13	223	422	1,098	1,351	6,800	0	0	0	27	69	139	347	167	146	0	0	0	895		
1986	931	975	595	390	127	0	0	11	39	393	842	1,012	5,315	0	0	10	3	24	285	380	200	103	0	0	0	1,005		
1987	1,034	765	829	384	73	2	5	32	78	467	677	1,048	5,394	0	0	0	30	73	268	360	246	64	5	0	0	1,046		
1988	1,376	1,070	778	453	115	2	6	13	93	460	742	1,000	6,108	0	0	0	0	89	337	317	325	90	2	0	0	1,160		
1989	1,053	1,277	907	396	189	49	5	10	184	360	799	1,358	6,587	0	0	1	51	51	107	317	217	95	11	0	0	850		
1990	1,027	953	754	491	258	15	11	2	69	416	691	1,324	6,011	0	0	0	14	11	254	280	252	188	9	0	0	1,008		
1991	1,353	757	751	400	155	0	0	3	119	421	1,002	986	5,947	0	0	0	7	77	269	350	273	132	8	0	0	1,116		
1992	988	798	678	459	185	59	16	43	112	383	957	1,318	5,996	0	0	0	8	47	79	171	130	72	6	0	0	513		
1993	1,474	1,254	916	579	212	66	0	14	191	444	942	1,021	7,113	0	0	0	0	17	114	237	239	24	16	0	0	647		
Avrg.	1,256	1,017	814	442	173	27	3	10	104	400	839	1,164	6,248	0	0	1	12	40	200	332	270	108	7	0	0	970		

Lincoln

	Heating Degree Days													Total	Cooling Degree Days													Total
	J	F	M	A	M	J	J	A	S	O	N	D	J		F	M	A	M	J	J	A	S	O	N	D			
1975	1,338	1,250	1,059	495	117	20	0	0	168	269	759	1,079	6,554	0	0	0	4	76	204	428	459	74	37	0	0	1,282		
1976	1,255	810	792	328	206	11	0	0	83	553	979	1,254	6,271	0	0	0	15	26	216	413	354	144	10	0	0	1,178		
1977	1,604	927	659	256	11	0	0	0	42	413	793	1,230	5,935	0	0	0	14	14	124	289	501	231	91	0	0	1,250		
1978	1,703	1,447	972	410	193	27	0	5	62	392	848	1,315	7,374	0	0	5	7	46	230	371	320	193	3	0	0	1,175		
1979	1,787	1,454	816	463	197	16	3	7	42	324	825	1,007	6,941	0	0	0	7	42	235	320	330	160	4	0	0	1,098		
1980	1,281	1,241	912	387	133	5	0	0	80	402	666	1,120	6,227	0	0	0	13	73	293	542	433	142	1	0	0	1,497		
1981	1,133	933	680	209	192	0	1	3	71	393	678	1,237	5,530	0	0	0	29	37	308	430	237	102	0	0	0	1,143		
1982	1,639	1,159	880	501	88	52	0	3	118	324	840	1,081	6,685	0	0	0	8	45	111	438	292	124	10	0	0	1,028		
1983	1,173	931	785	584	238	25	0	0	75	326	763	1,758	6,658	0	0	0	0	30	235	505	580	211	20	0	0	1,581		
1984	1,334	841	970	496	196	3	0	0	167	366	737	1,142	6,252	0	0	0	5	24	264	395	412	114	9	0	0	1,223		
1985	1,385	1,186	687	326	72	25	0	8	198	343	1,071	1,345	6,646	0	0	0	30	63	152	351	210	162	2	0	0	970		
1986	996	1,079	602	353	95	0	0	15	34	344	874	1,064	5,456	0	0	12	9	43	320	430	209	148	0	0	0	1,171		
1987	1,090	773	713	331	51	2	0	17	51	507	626	1,006	5,167	0	0	0	41	130	333	451	267	78	2	0	0	1,302		
1988	1,341	1,115	728	416	33	2	3	6	44	438	706	1,025	5,857	0	0	0	4	117	396	408	427	131	3	0	0	1,486		
1989	968	1,359	811	374	140	15	0	3	139	343	807	1,424	6,383	0	0	5	75	63	188	418	321	95	21	0	0	1,186		
1990	960	923	680	443	183	10	0	1	55	319	604	1,283	5,461	0	0	0	34	17	326	363	370	227	17	3	0	1,357		
1991	1,449	760	641	330	104	0	0	0	106	391	994	964	5,739	0	0	5	22	162	355	414	356	191	25	0	0	1,530		
1992	941	784	654	405	150	11	0	12	90	355	926	1,128	5,316	0	0	0	9	71	152	250	182	111	12	0	0	787		
1993	1,395	1,182	885	525	164	49	0	4	169	471	890	1,050	6,784	0	0	0	0	22	157	343	317	24	18	0	0	881		
Avrg.	1,304	1,061	786	402	135	14	0	4	94	383	810	1,185	6,170	0	0	1	17	58	242	398	346	140	15	0	0	1,217		

McCook

	Heating Degree Days													Total	Cooling Degree Days													Total
	J	F	M	A	M	J	J	A	S	O	N	D	J		F	M	A	M	J	J	A	S	O	N	D			
1975	1,060	1,121	950	484	165	39	0	4	139	341	898	1,089	6,290	0	0	0	5	21	128	396	317	93	22	0	0	982		
1976	1,197	736	773	358	231	14	0	2	85	495	857	983	5,731	0	0	0	1	34	194	415	371	125	17	0	0	1,157		
1977	1,348	764	720	312	41	0	0	4	16	320	705	1,066	5,296	0	0	0	22	51	280	433	249	121	3	0	0	1,159		
1978	1,442	1,249	779	397	223	29	0	7	50	373	880	1,289	6,718	0	0	2	8	35	259	427	292	180	12	0	0	1,215		
1979	1,614	1,175	794	449	277	50	7	20	48	294	929	895	6,552	0	0	0	1	35	168	307	254	167	14	0	0	946		
1980	1,236	1,105	947	502	190	15	0	2	44	390	699	944	6,074	0	0	0	10	27	236	478	366	119	3	0	0	1,239		
1981	1,029	927	731	273	290	14	3	4	71	425	697	1,054	5,518	0	0	0	16	16	229	350	224	89	7	0	0	931		
1982	1,353	1,033	775	452	124	61	0	14	120	426	907	1,086	6,351	0	0	0	11	18	88	353	297	87	1	0	0	855		
1983	1,156	838	830	662	337	70	0	0	101	371	750	1,708	6,823	0	0	0	0	13	123	433	489	170	9	0	0	1,237		
1984	1,292	865	932	636	201	20	0	0	185	489	781	1,161	6,562	0	0	0	0	34	183	326	351	86	3	0	0	983		
1985	1,320	1,132	706	362	128	65	0	14	220	474	1,084	1,295	6,800	0	0	0	19	54	124	338	210	142	0	0	0	887		
1986	901	936	595	388	196	4	0	3	50	417	744	1,043	5,377	0	0	0	0	23	241	360	233	89	0	0	0	946		
1987	1,064	780	831	420	96	5	10	33	105	489	716	1,060	5,609	0	0	0	20	62	245	384	260	65	3	0	0	1,039		
1988	1,402	1,003	764	488	136	3	0	9	88	429	705	947	5,974	0	0	0	0	78	392	364	366	102	2	0	0	1,304		
1989	991	1,182	843	366	166	48	0	4	171	365	729	1,282	6,147	0	0	0	34	58	126	356	259	106	8	0	0	947		
1990	994	934	718	434	253	6	9	0	70	387	667	1,264	5,736	0	0	0	15	25	278	336	318	213	8	0	0	1,193		
1991	1,236	710	719	406	146	1	5	2	97	403	925	944	5,594	0	0	0	7	62	280	381	299	124	8	0	0	1,161		
1992	1,086	754	640	400	158	43	8	40	78	360	931	1,258	5,756	0	0	0	6	56	97	217	156	80	3	0	0	615		
1993	1,378	1,209	825	530	175	55	0	9	195	412	912	980	6,680	0	0	0	0	24	153	246	257	32	13	0	0	725		
Avrg.	1,216	971	783	438	186	29	2	9	102	403	817	1,124	6,084	0	0	0	9	38	201	363	293	115	7	0	0	1,027		

Heating and Cooling Degree Days, Selected Nebraska Cities, Monthly, 1975-1993

Norfolk

	Heating Degree Days												Total	Cooling Degree Days												Total
	J	F	M	A	M	J	J	A	S	O	N	D		J	F	M	A	M	J	J	A	S	O	N	D	
1975	1,369	1,275	1,107	604	105	25	2	0	207	326	877	1,247	7,144	0	0	0	1	67	171	398	359	60	24	0	0	1,080
1976	1,343	900	854	352	191	15	0	1	108	587	1,018	1,287	6,656	0	0	0	11	32	200	387	324	100	6	0	0	1,060
1977	1,624	951	733	287	6	0	0	5	45	423	882	1,318	6,274	0	0	0	30	101	241	415	174	73	0	0	0	1,034
1978	1,756	1,477	965	471	187	28	1	9	49	434	900	1,476	7,753	0	0	4	0	56	244	330	257	176	2	0	0	1,069
1979	1,836	1,506	988	533	248	33	3	14	56	430	954	1,046	7,637	0	0	0	2	39	212	297	268	128	0	0	0	946
1980	1,332	1,258	966	423	174	8	0	1	100	473	738	1,190	6,663	0	0	0	23	61	236	440	334	115	5	0	0	1,214
1981	1,180	995	741	238	235	5	9	1	98	464	727	1,283	5,976	0	0	0	29	19	229	357	206	70	0	0	0	910
1982	1,730	1,188	958	537	123	60	0	10	140	389	915	1,132	7,182	0	0	0	2	26	76	336	255	80	2	0	0	777
1983	1,246	991	858	637	258	38	0	0	120	391	838	1,798	7,175	0	0	0	0	23	188	416	501	175	3	0	0	1,306
1984	1,302	969	1,109	563	220	6	0	1	196	375	775	1,260	6,776	0	0	0	2	23	226	326	365	76	6	0	0	1,024
1985	1,451	1,160	730	344	79	52	1	15	241	424	1,195	1,469	7,161	0	0	0	34	73	135	283	177	119	0	0	0	821
1986	1,048	1,140	692	434	127	3	0	26	85	413	943	1,114	6,025	0	0	4	1	30	249	372	159	56	0	0	0	871
1987	1,161	817	783	350	81	9	2	45	89	575	726	1,110	5,748	0	0	0	32	119	259	405	207	67	1	0	0	1,090
1988	1,508	1,218	783	469	61	6	4	14	96	520	790	1,101	6,570	0	0	0	2	111	349	333	345	97	0	0	0	1,237
1989	1,063	1,392	956	417	190	45	3	7	156	402	906	1,531	7,068	0	0	2	69	39	150	382	278	89	6	0	0	1,015
1990	1,035	1,002	759	500	238	19	4	0	87	425	739	1,379	6,187	0	0	0	38	10	263	280	292	178	16	0	0	1,077
1991	1,477	843	755	381	149	1	0	0	130	489	1,080	1,048	6,353	0	0	0	21	140	309	348	302	148	6	0	0	1,274
1992	1,001	812	717	492	176	21	13	42	119	426	949	1,259	6,027	0	0	0	9	61	114	130	131	60	12	0	0	517
1993	1,460	1,308	962	545	167	52	0	11	188	473	952	1,097	7,215	0	0	0	0	25	141	263	259	23	20	0	0	731
Avrg.	1,364	1,116	864	451	159	22	2	11	122	444	890	1,271	6,715	0	0	1	16	56	210	342	273	99	6	0	0	1,003

North Platte

	Heating Degree Days												Total	Cooling Degree Days												Total
	J	F	M	A	M	J	J	A	S	O	N	D		J	F	M	A	M	J	J	A	S	O	N	D	
1975	1,216	1,160	1,032	558	247	62	6	0	228	437	1,035	1,191	7,172	0	0	0	10	11	89	311	260	39	7	0	0	727
1976	1,460	929	956	521	363	70	0	13	178	608	1,028	1,133	7,259	0	0	0	0	5	62	247	192	27	0	0	0	533
1977	1,493	920	858	395	81	2	2	34	96	458	869	1,236	6,444	0	0	0	2	26	174	305	149	64	0	0	0	720
1978	1,662	1,400	924	491	275	71	5	24	99	488	982	1,560	7,981	0	0	0	1	21	174	307	218	117	5	0	0	843
1979	1,828	1,335	862	491	259	56	4	11	52	341	975	957	7,171	0	0	0	0	27	156	294	262	123	0	0	0	862
1980	1,233	1,102	909	439	166	10	0	6	107	491	780	1,019	6,262	0	0	0	10	27	243	411	289	74	0	0	0	1,054
1981	1,089	1,000	762	283	318	26	9	4	101	492	749	1,179	6,012	0	0	0	10	9	141	288	168	47	1	0	0	664
1982	1,479	1,030	885	601	239	111	0	18	160	484	946	1,138	7,091	0	0	0	0	8	70	314	276	68	0	0	0	736
1983	1,167	833	854	672	343	90	2	0	128	419	840	1,780	7,128	0	0	0	0	8	103	331	412	128	1	0	0	983
1984	1,379	915	953	647	236	33	0	0	247	519	829	1,312	7,070	0	0	0	0	13	110	252	317	69	0	0	0	761
1985	1,481	1,168	752	393	156	83	0	23	252	502	1,205	1,416	7,431	0	0	0	14	32	100	326	189	100	0	0	0	761
1986	1,029	1,060	634	479	219	2	0	14	98	446	878	1,074	5,933	0	0	0	3	11	201	334	217	43	0	0	0	809
1987	1,093	810	868	420	105	15	13	36	139	551	796	1,152	5,995	0	0	0	16	48	176	352	208	35	0	0	0	835
1988	1,501	1,109	839	490	170	3	0	13	128	498	803	1,067	6,621	0	0	0	1	41	293	301	282	46	0	0	0	964
1989	1,072	1,316	902	430	211	67	2	7	180	437	815	1,374	6,813	0	0	0	21	35	99	295	219	67	2	0	0	738
1990	1,061	948	771	502	259	15	15	1	84	457	797	1,331	6,241	0	0	0	15	10	205	291	289	165	5	0	0	980
1991	1,290	762	754	466	149	5	3	1	148	508	977	971	6,034	0	0	0	3	59	194	317	276	112	2	0	0	963
1992	1,010	797	714	436	219	45	18	60	113	466	970	1,310	6,158	0	0	0	13	31	54	130	116	60	1	0	0	405
1993	1,436	1,311	862	578	204	73	2	24	218	513	975	1,066	7,262	0	0	0	0	15	88	212	194	24	6	0	0	539
Avrg.	1,315	1,048	847	489	222	44	4	15	145	480	908	1,225	6,741	0	0	0	6	23	144	296	239	74	2	0	0	783

Omaha-Eppley Field

	Heating Degree Days													Total	Cooling Degree Days													Total
	J	F	M	A	M	J	J	A	S	O	N	D	J		F	M	A	M	J	J	A	S	O	N	D			
1975	1,311	1,189	1,024	469	72	11	0	0	141	251	695	1,051	6,214	0	0	0	7	115	242	441	464	76	44	0	0	1,389		
1976	1,219	791	757	261	177	4	0	0	61	522	947	1,265	6,004	0	0	0	21	34	240	440	358	139	17	0	0	1,249		
1977	1,598	883	579	219	10	1	0	1	28	361	754	1,196	5,630	0	0	0	45	179	310	489	236	105	0	0	0	1,364		
1978	1,637	1,375	910	372	160	17	0	0	39	350	754	1,255	6,869	0	0	7	5	67	287	386	333	231	5	0	0	1,321		
1979	1,676	1,333	775	451	156	12	1	6	65	354	867	1,070	6,766	0	0	0	8	64	249	344	345	122	2	0	0	1,134		
1980	1,318	1,290	987	440	158	4	0	3	108	491	735	1,198	6,732	0	0	0	15	61	254	459	368	107	0	0	0	1,264		
1981	1,259	1,018	743	241	221	0	7	3	85	452	723	1,299	6,051	0	0	0	24	29	235	372	196	85	0	0	0	941		
1982	1,721	1,183	930	518	102	56	0	13	115	315	829	1,131	6,913	0	0	0	5	43	78	383	252	112	12	0	0	885		
1983	1,240	971	854	638	278	37	0	0	102	405	789	1,786	7,100	0	0	0	0	20	183	453	519	167	17	0	0	1,359		
1984	1,401	916	1,071	552	243	7	0	3	184	391	766	1,166	6,700	0	0	0	6	22	220	320	366	96	4	0	0	1,034		
1985	1,416	1,153	666	325	88	45	0	13	217	378	1,089	1,501	6,891	0	0	0	30	44	116	290	156	137	1	0	0	774		
1986	1,095	1,176	689	389	134	1	0	15	40	338	913	1,096	5,886	0	0	10	5	26	276	408	181	133	0	0	0	1,039		
1987	1,122	784	685	322	67	7	1	33	67	512	639	1,048	5,287	0	0	0	39	145	292	407	235	69	2	1	0	1,190		
1988	1,353	1,185	748	433	29	6	1	7	56	488	744	1,095	6,145	0	0	0	5	109	351	364	394	99	3	0	0	1,325		
1989	1,002	1,368	844	380	143	23	0	7	140	356	855	1,460	6,578	0	0	10	77	68	159	395	306	89	19	0	0	1,123		
1990	973	935	696	460	206	15	4	1	75	371	662	1,350	5,740	0	0	0	41	9	277	316	327	199	12	4	0	1,185		
1991	1,506	860	695	338	108	0	0	0	123	402	1,027	1,022	6,081	0	0	5	21	184	295	345	295	161	9	0	0	1,315		
1992	999	816	656	425	154	11	2	26	114	359	881	1,141	5,584	0	0	0	7	63	150	198	136	90	11	0	0	655		
1993	1,403	1,192	904	514	140	34	0	1	171	448	895	1,097	6,799	0	0	0	0	35	188	322	297	21	6	0	0	869		
Avg.	1,329	1,075	801	408	139	15	1	7	102	397	819	1,222	6,314	0	0	2	19	69	232	375	303	118	9	0	0	1,127		

Heating and Cooling Degree Days, Selected Cities, Nebraska, Monthly 1975-1993

O'Neill

	Heating Degree Days												Total	Cooling Degree Days												Total
	J	F	M	A	M	J	J	A	S	O	N	D		J	F	M	A	M	J	J	A	S	O	N	D	
1975	1,306	1,270	1,084	588	167	58	14	1	184	382	979	1,291	7,324	0	0	0	10	42	92	281	258	64	9	0	0	756
1976	1,448	946	958	424	232	38	2	4	122	586	1,041	1,202	7,003	0	0	0	3	20	140	302	318	79	5	0	0	867
1977	1,587	928	811	326	33	1	0	7	79	399	902	1,330	6,403	0	0	0	16	79	209	336	177	64	0	0	0	881
1978	1,825	1,464	978	489	189	32	0	19	48	426	948	1,485	7,903	0	0	2	0	43	203	299	245	171	3	0	0	966
1979	1,851	1,432	951	526	305	46	5	16	58	417	1,033	1,062	7,702	0	0	0	0	25	151	263	224	127	1	0	0	791
1980	1,358	1,188	980	443	186	12	0	5	62	455	752	1,131	6,572	0	0	0	21	48	238	484	340	113	16	0	0	1,260
1981	1,124	978	747	236	229	8	17	2	82	463	749	1,352	5,987	0	0	0	29	19	208	346	215	77	0	0	0	894
1982	1,738	1,149	971	585	155	62	0	4	157	409	971	1,129	7,330	0	0	0	3	22	62	376	306	90	0	0	0	859
1983	1,229	973	904	684	280	44	1	0	113	396	872	1,867	7,363	0	0	0	0	17	141	385	490	173	8	0	0	1,214
1984	1,319	951	1,080	602	242	18	3	0	221	439	803	1,283	6,961	0	0	0	0	24	167	277	370	92	5	0	0	935
1985	1,449	1,163	748	351	98	82	7	17	259	414	1,284	1,463	7,335	0	0	0	32	58	134	313	163	125	0	0	0	825
1986	1,048	1,137	682	478	150	36	0	23	102	397	929	1,065	6,047	0	0	0	0	32	258	401	216	21	0	0	0	928
1987	1,112	816	821	348	75	10	3	40	132	553	793	1,198	5,901	0	0	0	26	123	268	439	216	44	0	0	0	1,116
1988	1,711	1,308	882	527	160	2	3	16	171	557	834	1,095	7,266	0	0	0	5	79	327	331	308	51	0	0	0	1,101
1989	1,093	1,450	1,051	461	177	55	5	4	151	452	852	1,533	7,284	0	0	0	32	26	141	386	290	108	1	0	0	984
1990	1,050	997	851	555	278	27	27	0	117	464	813	1,453	6,632	0	0	0	17	12	215	246	317	161	7	0	0	975
1991	1,463	884	837	448	214	5	0	0	156	537	1,123	1,089	6,756	0	0	0	4	76	260	339	310	138	12	0	0	1,139
1992	1,048	882	807	611	214	54	44	67	148	459	1,013	1,356	6,703	0	0	0	0	40	53	94	133	45	11	0	0	376
1993	1,535	1,371	968	613	243	87	4	24	248	508	1,028	1,144	7,773	0	0	0	0	8	100	194	213	17	8	0	0	540
Avrg.	1,384	1,120	901	489	191	36	7	13	137	459	933	1,291	6,960	0	0	0	10	42	177	321	269	93	5	0	0	916

Pawnee City

	Heating Degree Days												Total	Cooling Degree Days												Total
	J	F	M	A	M	J	J	A	S	O	N	D		J	F	M	A	M	J	J	A	S	O	N	D	
1975	1,125	1,068	911	384	53	9	0	0	121	224	619	980	5,494	0	0	0	19	112	241	404	449	114	45	0	0	1,384
1976	1,094	620	653	215	139	3	0	0	49	428	808	1,066	5,075	0	0	0	30	68	287	428	367	154	27	0	0	1,361
1977	1,489	790	459	203	6	0	0	0	0	268	658	1,088	4,961	0	0	0	28	178	323	491	306	157	11	0	0	1,494
1978	1,499	1,285	850	319	159	12	0	2	56	374	806	1,235	6,597	0	0	6	9	81	272	409	319	194	1	0	0	1,291
1979	1,713	1,276	636	370	99	15	3	0	39	251	742	887	6,031	0	0	0	5	95	261	339	327	155	19	0	0	1,201
1980	1,126	1,144	846	319	87	2	0	0	55	307	584	1,023	5,493	0	0	0	39	101	341	600	499	224	29	0	0	1,833
1981	1,001	830	580	129	153	0	0	2	46	342	576	1,127	4,786	0	0	1	93	67	325	448	286	144	2	0	0	1,366
1982	1,506	1,021	727	450	57	18	0	2	76	243	703	984	5,787	0	0	0	0	92	185	485	336	186	29	0	0	1,313
1983	1,081	812	651	566	139	12	0	0	52	255	643	1,656	5,867	0	0	3	0	70	296	598	661	253	21	2	0	1,904
1984	1,255	679	858	402	116	0	0	0	130	238	557	915	5,150	0	0	0	18	104	351	476	526	225	34	0	0	1,734
1985	1,309	1,057	525	212	20	6	0	2	134	245	923	1,300	5,733	0	0	0	57	118	225	447	291	164	0	0	0	1,302
1986	872	1,002	561	238	45	0	0	8	31	305	845	1,011	4,918	0	0	31	25	78	390	484	233	205	1	0	0	1,447
1987	1,044	728	652	305	45	1	0	5	53	434	609	950	4,826	0	0	0	49	157	331	477	337	86	0	4	0	1,441
1988	1,240	1,073	724	350	17	0	6	4	49	360	616	886	5,325	0	0	0	0	159	389	413	478	144	6	0	0	1,589
1989	881	1,290	683	326	130	2	1	2	130	268	698	1,343	5,754	0	0	6	89	108	207	356	345	104	29	0	0	1,244
1990	914	817	631	412	150	5	0	2	29	265	499	1,174	4,898	0	0	3	18	32	342	383	375	248	26	6	0	1,433
1991	1,341	703	525	269	53	0	0	0	85	266	923	900	5,065	0	0	8	13	175	363	427	397	185	45	0	0	1,613
1992	915	740	568	362	119	6	0	8	90	306	848	1,029	4,991	0	0	1	15	88	138	307	197	119	21	0	0	886
1993	1,308	1,071	796	531	117	37	0	2	125	406	821	944	6,158	0	0	0	0	44	250	342	403	31	13	0	0	1,083
Avrg.	1,195	948	676	335	90	7	1	2	71	304	709	1,079	5,416	0	0	3	27	101	290	438	375	163	19	1	0	1,417

Scottsbluff

	Heating Degree Days												Total	Cooling Degree Days												Total
	J	F	M	A	M	J	J	A	S	O	N	D		J	F	M	A	M	J	J	A	S	O	N	D	
1975	1,183	1,105	981	609	268	75	0	11	193	434	873	1,019	6,751	0	0	0	1	12	101	386	245	43	4	0	0	792
1976	1,235	799	874	469	222	46	0	8	120	542	903	1,011	6,229	0	0	0	0	18	146	359	240	66	1	0	0	830
1977	1,362	789	826	360	84	4	0	23	72	407	800	1,131	5,858	0	0	0	6	45	254	356	194	90	0	0	0	945
1978	1,444	1,199	752	458	286	54	2	20	99	412	930	1,425	7,081	0	0	0	0	34	180	316	198	141	0	0	0	869
1979	1,690	1,029	737	447	288	50	0	10	55	363	984	946	6,599	0	0	0	8	19	163	317	224	121	1	0	0	853
1980	1,295	1,019	889	463	215	8	0	1	61	411	721	859	5,942	0	0	0	1	22	234	417	263	104	3	0	0	1,044
1981	998	897	684	261	253	16	6	0	42	432	662	1,044	5,295	0	0	0	10	23	213	361	250	107	3	0	0	967
1982	1,307	1,039	842	629	289	101	4	1	155	503	921	1,142	6,933	0	0	0	0	3	40	251	291	74	0	0	0	659
1983	997	792	864	722	429	112	7	0	126	412	919	1,627	7,007	0	0	0	0	6	82	297	369	99	0	0	0	853
1984	1,165	851	850	677	219	60	0	0	223	574	812	1,238	6,669	0	0	0	0	35	124	311	359	78	0	0	0	907
1985	1,367	1,096	780	422	139	75	0	16	286	534	1,284	1,378	7,377	0	0	0	3	42	121	324	225	66	0	0	0	781
1986	986	1,036	636	524	297	27	0	0	162	504	891	1,118	6,181	0	0	0	0	1	167	243	192	10	0	0	0	613
1987	1,110	868	978	420	156	28	10	37	153	532	788	1,228	6,308	0	0	0	5	20	134	320	164	26	0	0	0	669
1988	1,446	999	894	539	241	17	1	4	154	446	825	1,138	6,704	0	0	0	0	37	256	302	248	22	0	0	0	865
1989	1,065	1,303	897	511	214	71	0	0	169	497	764	1,372	6,863	0	0	0	10	18	118	382	242	61	0	0	0	831
1990	1,009	977	850	541	327	30	18	4	79	497	771	1,372	6,475	0	0	0	0	1	199	232	202	113	3	0	0	750
1991	1,307	771	802	570	220	19	5	0	137	551	965	1,018	6,365	0	0	0	2	46	125	289	284	73	12	0	0	831
1992	1,042	783	731	438	194	45	22	57	107	465	1,019	1,430	6,333	0	0	0	7	36	79	140	131	39	0	0	0	432
1993	1,362	1,323	841	567	204	121	3	23	237	568	1,061	1,078	7,388	0	0	0	0	18	71	159	142	10	0	0	0	400
Avrg.	1,230	983	827	507	239	50	4	11	138	478	889	1,188	6,545	0	0	0	3	23	148	303	235	71	1	0	0	784

Heating and Cooling Degree Days, Selected Cities, Nebraska, Monthly 1975-1993

Valentine

	Heating Degree Days													Total	Cooling Degree Days													Total
	J	F	M	A	M	J	J	A	S	O	N	D	J		F	M	A	M	J	J	A	S	O	N	D			
1975	1,256	1,284	1,126	642	236	67	5	5	231	435	1,008	1,214	7,273	0	0	0	16	24	124	400	272	47	18	0	0	901		
1976	1,348	907	969	485	268	58	5	3	151	613	1,094	1,255	7,156	0	0	0	1	11	157	330	306	81	2	0	0	888		
1977	1,672	952	990	431	101	8	0	35	122	499	914	1,397	7,121	0	0	0	3	46	203	307	116	57	0	0	0	732		
1978	1,760	1,526	993	618	254	72	4	32	109	515	1,053	1,622	8,558	0	0	0	0	27	163	239	213	148	0	0	0	790		
1979	1,888	1,446	986	574	326	67	14	24	77	478	1,040	1,010	7,930	0	0	0	4	20	136	280	208	129	0	0	0	777		
1980	1,408	1,189	1,063	495	231	26	0	14	112	536	804	1,128	7,006	0	0	0	15	34	198	404	255	78	4	0	0	988		
1981	1,124	1,075	806	325	328	37	21	7	114	514	748	1,274	6,373	0	0	0	6	16	145	304	207	70	0	0	0	748		
1982	1,697	1,100	936	659	250	108	1	16	189	536	1,000	1,183	7,675	0	0	0	0	10	39	321	299	73	0	0	0	742		
1983	1,096	850	931	730	385	91	6	0	168	461	903	1,892	7,513	0	0	0	0	12	99	338	422	125	0	0	0	996		
1984	1,334	952	1,008	667	288	43	0	0	280	542	886	1,351	7,351	0	0	0	0	38	134	280	318	55	5	0	0	830		
1985	1,461	1,211	854	415	136	112	13	29	279	531	1,404	1,517	7,962	0	0	0	9	66	92	337	176	87	0	0	0	767		
1986	1,182	1,134	720	591	264	20	0	36	189	511	1,013	1,098	6,758	0	0	0	4	15	185	295	160	15	0	0	0	674		
1987	1,126	893	976	424	124	35	10	50	170	601	811	1,198	6,418	0	0	0	11	61	184	372	178	34	0	0	0	840		
1988	1,600	1,270	936	570	204	4	6	21	160	543	871	1,195	7,380	0	0	0	4	80	351	331	285	48	0	0	0	1,095		
1989	1,144	1,428	1,013	523	234	91	5	11	169	471	755	1,505	7,349	0	0	0	19	29	110	378	265	81	0	0	0	882		
1990	1,026	1,025	864	581	292	26	25	0	117	501	795	1,479	6,731	0	0	0	16	17	192	257	237	160	12	0	0	891		
1991	1,476	860	755	451	207	1	1	2	167	585	1,076	1,089	6,670	0	0	0	6	62	203	319	281	102	5	0	0	978		
1992	1,115	867	800	515	211	70	49	75	141	447	1,039	1,370	6,699	0	0	0	14	41	54	74	125	63	6	0	0	377		
1993	1,462	1,354	896	630	244	100	5	31	253	561	1,076	1,116	7,728	0	0	0	0	2	73	163	179	28	5	0	0	450		
Avrg.	1,378	1,112	927	543	241	55	9	21	168	520	963	1,310	7,245	0	0	0	7	32	150	302	237	78	3	0	0	808		

Sources: Climatological Data, Nebraska. National Oceanic and Administration. Asheville, N.C. Monthly. Cooling degree days for 1975-1979 calculated by the Nebraska Energy Office from reported temperatures in Climatological Data, Nebraska for Chadron, McCook, Holdrege, O'Neill and Pawnee City.

Notes: When information for degree days was not reported, values for nearby stations were substituted. Months and stations affected are as follows:

Chadron: Data missing for November, 1986 through October, 1987; July, 1988; August 1988; November, 1990; July, 1991; November, 1991; January -May, 1992; September, 1992; July through October, 1993. Values for Hay Springs substituted.

Grand Island: Data missing for October, 1992; December, 1992; January through May, 1993. Values for Aurora substituted.

Lincoln Airport: Data missing for January through May, 1993. Values for Lincoln University Station substituted.

McCook: Data missing for November, 1978 through June, 1979 and January, 1992. Values for Culbertson substituted.

North Platte: Data missing for January, 1985. Values for North Platte Experiment Station substituted.

Omaha: Data missing for October, 1979; and August, 1987. Values for North Omaha substituted.

Pawnee City: Data missing for December, 1979; October, 1980; April, 1982; April, 1983; March 1988; and September 1988; April, 1993; and October, 1993. Values for Falls City substituted.

All averages are based on 1975 - 1993 data.

Figure 89

Motor Vehicle Registrations, Nebraska, 1970-1993

	Autos	Farm Trucks	Other Trucks	Motor-cycles	All Other*	Total		Autos	Farm Trucks	Other Trucks	Motor-cycles	All Other*	Total
1970	679,728	113,127	125,174	31,552	141,599	1,091,150	1980	830,360	147,062	216,679	52,142	240,845	1,487,088
1971	695,643	113,918	135,692	35,940	145,556	1,126,749	1981	796,130	151,998	202,194	50,371	189,558	1,390,251
1972	726,670	115,701	142,788	37,649	153,278	1,176,086	1982	803,750	145,180	209,696	47,887	198,953	1,405,466
1973	753,944	121,671	157,832	41,288	172,107	1,246,842	1983	821,454	148,061	216,735	47,712	212,218	1,445,128
1974	772,293	128,749	171,837	47,399	184,595	1,304,873	1984	837,810	143,947	221,757	47,384	191,093	1,441,991
1975	786,655	131,765	183,675	48,198	196,256	1,346,549	1985	831,299	140,187	223,280	43,248	202,844	1,440,858
1976	810,931	132,126	184,937	49,556	209,832	1,387,382	1986	856,574	140,987	228,188	33,077	208,849	1,467,675
1977	834,953	136,079	198,617	50,362	220,252	1,440,263	1987	870,291	144,126	231,572	31,599	219,821	1,497,409
1978	840,579	139,258	201,965	49,871	222,713	1,454,386	1988	882,451	145,460	239,560	29,088	224,954	1,521,513
1979	765,533	126,176	184,215	44,218	184,977	1,305,119	1989	901,633	145,749	245,664	23,560	243,514	1,560,120
Source: Annual Registration Report. Nebraska Department of Motor Vehicles. Lincoln, Nebraska. Annual.							1990	917,722	147,982	250,589	22,375	238,211	1,576,879
*Note: All other includes buses, trailers, dealers, government and mobile homes.							1991	838,803	128,969	247,831	20,264	266,178	1,502,045
+Note: Registration data for 1991 is under reported due to a delay in data entry - use of 1990 data may more accurately represent state vehicle registration (DMV Annual Report for 1991).							1992	895,461	140,095	269,195	19,582	296,302	1,620,635
							1993	940,667	149,403	288,608	18,882	301,757	1,699,317

Figure 90

Motor Vehicle Miles Traveled, Nebraska, Monthly 1979-1993

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
January	688	729	775	677	754	778	763	839	868	850	939	941	913	974	939
February	794	741	770	783	768	811	816	834	916	925	919	980	1,012	1,044	985
March	897	807	865	851	843	857	932	971	908	1,005	1,021	1,045	1,061	1,097	1,106
April	981	899	949	934	929	946	982	1,001	1,082	1,097	1,147	1,154	1,145	1,174	1,207
May	1,036	989	1,022	1,008	1,035	1,071	1,085	1,109	1,151	1,167	1,211	1,236	1,244	1,272	1,286
June	1,091	1,065	1,101	1,101	1,129	1,158	1,154	1,187	1,228	1,258	1,295	1,328	1,354	1,372	1,411
July	1,117	1,120	1,136	1,153	1,181	1,190	1,199	1,239	1,295	1,314	1,320	1,363	1,390	1,433	1,444
August	1,133	1,126	1,143	1,138	1,162	1,186	1,194	1,248	1,276	1,293	1,341	1,377	1,397	1,426	1,474
September	1,041	1,006	1,030	1,038	1,066	1,077	1,052	1,117	1,173	1,186	1,231	1,219	1,254	1,291	1,318
October	1,001	982	987	1,001	1,018	1,032	1,062	1,095	1,145	1,165	1,206	1,199	1,202	1,270	1,291
November	881	921	902	918	885	975	936	1,019	1,055	1,068	1,126	1,105	1,040	1,139	1,172
December	869	837	832	834	764	853	879	971	994	1,043	1,025	1,010	1,083	1,082	1,144
Total	11,529	11,222	11,512	11,436	11,534	11,934	12,054	12,630	13,091	13,371	13,781	13,957	14,095	14,574	14,777

Source: Total Vehicle Miles by Month. Transportation Planning Division, Nebraska Department of Roads. Lincoln, Nebraska. Monthly.

Figure 91
Total Population, Nebraska, 1970-1993

Population (thousands)		Population	
Population		Population	
1970	1,485	1982	1,581
1971	1,508	1983	1,584
1972	1,518	1984	1,589
1973	1,529	1985	1,585
1974	1,538	1986	1,574
1975	1,543	1987	1,567
1976	1,549	1988	1,571
1977	1,557	1989	1,575
1978	1,564	1990	1,578
1979	1,567	1991	1,593
1980	1,570	1992	1,606
1981	1,576	1993	1,613

Source: *Statistical Abstract of the United States 1993* U.S. Department of Commerce. Bureau of the Census. Washington, D.C. Annual. *Summary Population and Housing Characteristics Nebraska, 1990 Census of Population and Housing*. Bureau of the Census, U.S. Department of Commerce. Washington, D.C. August, 1991.

Figure 92
Population by Age, Nebraska, 1970, 1980 and 1990

Age	1970	1980	1990
Under 5 Years	120,482	122,946	119,606
5-9 Years	147,622	118,045	126,401
10-14 Years	153,355	120,907	117,383
15-19 Years	143,442	147,249	112,860
20-24 Years	114,943	148,734	108,649
25-29 Years	89,262	134,794	125,218
30-34 Years	78,149	114,407	131,990
35-44 Years	159,456	163,477	228,812
45-54 Years	157,162	150,653	149,389
55-59 Years	71,837	75,104	67,281
60-64 Years	66,917	67,528	67,728
65-74 Years	105,229	114,021	117,643
75-84 Years	61,920	67,919	76,223
85 Years and Older	15,557	23,744	29,202
Total	1,485,333	1,569,528	1,578,385

Source: *Census of Population, 1970, 1980 and 1990*. U.S. Department of Commerce. Bureau of the Census. Washington, D.C.

Figure 93
Irrigation Wells Registered and Acres Irrigated, Nebraska, 1966-1993

Wells			Acres			Wells			Acres			Wells			Acres		
1966	27,102	3,100,000	1973	39,505	4,783,000	1980	63,821	7,200,000	1987	71,587	7,900,000	1994	78,821	8,600,000	1995	80,000	8,800,000
1967	28,842	3,313,000	1974	41,628	5,050,000	1981	65,787	7,500,000	1988	71,443	7,900,000	1996	81,111	8,900,000	1997	82,222	9,000,000
1968	30,806	3,605,000	1975	44,454	5,400,000	1982	68,319	7,600,000	1989	71,858	8,000,000	1998	83,333	9,100,000	1999	84,444	9,200,000
1969	32,755	3,783,000	1976	49,478	5,900,000	1983	69,471	7,700,000	1990	72,852	8,000,000	2000	85,556	9,300,000	2001	86,667	9,400,000
1970	34,117	3,998,000	1977	55,078	6,400,000	1984	70,233	7,800,000	1991	73,883	8,100,000	2002	87,778	9,500,000	2003	88,889	9,600,000
1971	35,685	4,200,000	1978	60,084	6,700,000	1985	70,767	7,900,000	1992	74,714	8,100,000	2004	89,999	9,700,000	2005	91,111	9,800,000
1972	37,635	4,478,000	1979	61,831	6,950,000	1986	71,338	7,900,000	1993	75,771	8,100,000	2006	92,222	9,900,000	2007	93,333	10,000,000

Notes: Wells are those registered to January 1 of that year. Acres represent the total acres that have wells or ditch water available and could be irrigated if conditions warrant.
Source: *Nebraska Agricultural Statistics*. Nebraska Department of Agriculture. Lincoln, Nebraska. Annual.

Figure 94
Average Cost of Electricity for Irrigation by System, Nebraska, 1980-1993
(Cents/Kilowatt-hour)

System	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Burt	6.5	8.0	28.1	10.7	11.4	10.8	15.6	12.5	8.0	7.7	10.3	8.2	14.9	47.6
Butler	5.7	7.2	15.5	8.5	9.0	12.1	14.6	8.5	8.1	8.1	9.1	8.9	47.4	19.1
Cedar-Knox	*	*	*	*	*	*	*	*	*	*	6.7	6.7	17.6	39.0
Cherry-Todd	4.2	4.4	5.5	6.5	6.0	4.3	5.4	7.3	6.6	6.1	6.7	6.5	7.1	7.2
Chimney Rock	5.0	5.9	8.1	7.3	7.8	6.3	6.9	7.6	6.1	6.8	7.5	7.3	7.3	7.9
Cornhusker	6.2	9.3	16.7	10.4	9.6	10.4	13.6	8.4	7.2	7.2	8.2	6.8	26.5	17.5
Cuming	6.3	9.1	28.4	12.0	10.7	11.3	15.1	10.4	8.4	8.2	10.8	7.9	13.4	19.0
Custer	4.7	7.1	7.4	7.7	7.0	7.4	7.1	7.4	6.7	6.5	6.4	6.6	7.4	15.3
Dawson	5.9	9.2	9.1	8.0	7.9	8.7	7.7	8.3	7.7	8.6	7.5	7.2	9.3	21.6
Elkhorn	5.6	8.5	11.1	9.6	9.3	9.5	10.4	8.8	8.0	7.9	8.7	7.8	14.9	16.0
Franklin	6.5	12.8	12.8	11.0	8.6	9.9	10.2	11.8	10.0	11.1	*	*	*	*
Howard Greeley	5.9	7.6	10.8	8.3	8.3	10.1	11.8	8.8	8.4	8.2	8.6	7.6	18.9	20.5
KBR	5.7	6.7	8.4	9.7	8.4	8.0	9.7	8.3	8.6	7.7	7.8	7.7	9.2	10.2
Loup Valleys	4.8	7.1	8.9	7.8	7.5	8.8	9.0	8.3	7.4	7.7	7.5	6.9	11.5	19.4
McCook	5.6	7.0	8.0	7.5	7.7	7.7	7.5	7.6	7.7	7.8	7.4	7.6	10.0	14.7
Midwest	6.1	7.6	8.8	8.3	8.7	7.9	9.5	9.7	8.8	9.0	8.7	8.8	10.2	11.7
Niobrara Electric	4.0	4.6	5.7	5.3	5.6	6.0	7.5	6.8	6.0	5.4	5.8	6.4	6.0	6.6
Niobrara Valley	5.4	6.4	7.8	7.9	7.8	7.4	8.2	7.3	6.8	7.1	7.3	6.8	8.8	9.4
North Central	4.9	6.4	7.4	7.2	7.0	7.0	7.2	7.0	6.5	6.2	7.6	6.8	10.2	12.1
Northeast Nebraska	5.4	6.4	12.4	7.2	8.5	7.5	9.8	7.6	5.9	6.2	8.0	7.1	21.4	59.3
Northwest	5.9	*	9.5	10.2	8.8	6.8	10.6	8.4	8.3	7.2	8.0	8.5	9.5	10.1
Panhandle	2.4	5.8	7.2	6.8	8.0	5.4	7.3	7.5	7.0	6.2	8.3	9.1	8.9	9.9
Polk	6.1	8.3	23.9	10.0	10.1	14.3	12.7	9.3	7.4	7.4	9.1	8.0	34.5	19.0
Roosevelt	4.0	5.0	6.0	6.4	6.8	7.6	8.5	9.1	7.9	7.5	8.2	7.8	8.2	9.0
Rural Electric	4.2	5.0	6.0	7.8	7.2	5.9	6.4	7.4	6.8	6.1	7.0	6.9	7.0	7.0
Seward	6.4	8.5	11.8	8.4	9.7	10.6	13.1	10.5	8.7	8.6	10.6	8.1	17.5	12.8
South Central	5.4	7.3	9.0	7.8	7.7	8.1	8.8	8.6	6.7	8.3	9.0	7.2	11.1	28.7
Southern	6.7	9.2	12.1	8.7	*	*	*	*	*	*	*	*	*	*
Southwest	6.4	7.5	10.6	8.7	8.2	7.9	8.2	8.5	8.2	9.2	8.1	8.8	10.8	13.3
Stanton	5.9	8.7	17.1	10.9	9.6	9.8	13.2	8.8	8.0	8.1	10.7	8.0	18.2	18.9
Twin Valleys	6.3	9.0	8.8	8.0	7.8	8.9	8.4	9.6	9.2	8.2	8.4	7.8	9.7	26.0
Wheat Belt	5.1	6.6	8.7	8.3	6.9	6.7	7.8	9.4	7.4	7.0	7.5	7.6	8.7	8.8
Wyrolec	4.7	5.7	7.2	5.9	6.8	6.0	6.9	7.2	6.1	6.5	6.8	7.6	8.3	8.1
York	6.2	6.9	8.0	10.5	8.0	8.4	9.4	10.2	8.9	7.4	8.1	8.8	7.4	25.4
Average	5.5	7.3	9.1	8.2	8.1	7.5	8.4	8.4	7.6	7.5	7.9	7.7	9.7	11.8

Source: *Irrigation Survey*. Nebraska Rural Electric Association. Lincoln, Nebraska. Annual.
Notes: * indicates not included in survey.

Figure 95
**Number of Occupied Housing Units by Fuel Used for House Heating, Water Heating and Cooking,
 Nebraska, 1960, 1970, 1980 and 1990**
 (Housing Units)

1960	Total Occupied Housing Units 433,374			
	Fuel	Home Heating	Water Heating	Cooking
	Utility Gas	260,056	254,000	196,109
	Bottled, Tank or LP Gas	39,726	38,231	66,928
	Electricity	1,174	93,791	154,820
	Fuel Oil, Kerosene, etc.	98,437	6,887	2,686
	Coal or Coke	23,975	1,615	3,176
	Wood	8,142	486	6,495
	Other Fuel	1,647	526	1,091
	No Fuel Used	217	37,838	2,069
1970	Total Occupied Housing Units 473,721			
	Utility Gas	340,584	319,183	185,628
	Bottled, Tank or LP Gas	65,554	44,993	45,061
	Electricity	15,119	98,117	238,682
	Fuel Oil, Kerosene, etc.	46,864	2,167	746
	Coal or Coke	2,508	64	269
	Wood	1,121	181	1,514
	Other Fuel	1,857	232	205
	No Fuel Used	114	8,784	1,616
1980	Total Occupied Housing Units 571,400			
	Utility Gas	410,378	386,369	165,759
	Bottled, Tank or LP Gas	68,819	50,256	37,218
	Electricity	55,410	130,787	366,496
	Fuel Oil, Kerosene, etc.	27,341	1,545	0
	Coal or Coke	698	0	0
	Wood	7,565	0	0
	Other Fuel	1,076	613	1,167
	No Fuel Used	113	1,830	760
1990	Total Occupied Housing Units 602,363			
	Utility Gas	422,859	*	*
	Bottled, Tank or LP Gas	65,658	*	*
	Electricity	81,921	*	*
	Fuel Oil, Kerosene, etc.	15,059	*	*
	Other or None	16,866	*	*

Sources: *Detailed Housing Characteristics, Nebraska. 1980 Census of Housing.* Bureau of the Census, U.S. Department of the Census. Washington, D.C. July 1983. *Housing Characteristics for States, Cities and Counties, Nebraska. 1970 Census of Housing.* Bureau of the Census, U.S. Department of Commerce. Washington, D.C. August 1972. *1960 Census of Housing, Volume 1: States and Small Areas, Part 5: Michigan-New Hampshire.* Bureau of the Census, U.S. Department of Commerce. Washington, D.C. June 1963. *Summary Social, Economic and Housing Characteristics, Nebraska. 1990 Census of Population and Housing.* Washington, D.C. May 1992.

Note: * Water heating and cooking not included in 1990 census.

Figure 96
Consumer Price Index:
All Items, Fuel and Other Utilities, Motor Fuel and Energy, 1975-1993
 (1982-84 = 100)

	All Items	Fuel and Other Utilities	Motor Fuel	Energy
1975	53.8	45.4	45.1	42.1
1976	56.9	49.4	47.0	45.1
1977	60.6	54.7	49.7	49.4
1978	65.2	58.4	51.8	52.5
1979	72.6	64.8	70.1	65.7
1980	82.4	75.4	97.4	86.0
1981	90.9	86.4	108.5	97.7
1982	96.5	94.9	102.8	99.2
1983	99.6	100.2	99.4	99.9
1984	103.9	104.8	97.9	100.9
1985	107.6	106.5	98.7	101.6
1986	109.6	104.1	77.1	88.2
1987	113.6	103.0	80.2	88.6
1988	118.3	104.4	80.9	89.3
1989	124.0	107.8	88.5	94.3
1990	130.7	111.6	101.2	102.1
1991	136.2	115.3	99.4	102.5
1992	140.3	117.8	99.0	103.0
1993	144.5	121.3	98.0	104.2

Source: *Economic Indicators*. Prepared for the Joint Economic Committee of Economic Advisors. United States Government Printing Office. Washington, D.C. Monthly.

Conversion Factors

Figure 97
Units of Measure

Coal

1 metric ton	contains	1,000 kilograms or 2,204.62 pounds
1 long ton	contains	2,240 pounds
1 short ton	contains	2,000 pounds

Crude Oil

1 barrel	contains	42 gallons
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Source: *State Energy Data Report, Consumption Estimates 1960-1988*. U.S. Department of Energy, Energy Information Administration. Washington, D.C. April 1990.

Figure 98
Approximate Heat Content of Petroleum Products

Product	Million Btu per Barrel	Btu per Gallon
Asphalt	6.636	158,000
Aviation Gasoline	5.048	120,190
Crude Oil	5.800	138,095
Distillate Fuel Oil	5.825	138,690
Jet Fuel, Kerosene type	5.670	135,000
Kerosene	5.670	135,000
Lubricants	6.065	144,405
Motor Gasoline	5.253	125,071
Propane	3.836	91,333
Residual Fuel Oil	6.287	149,690
Road Oil	6.636	158,000

Source: *State Energy Data Report, Consumption Estimates 1960-1988*. U.S. Department of Energy, Energy Information Administration. Washington, D.C. April 1990.

Figure 99
Approximate Heat Rates for Electricity,*
1960-1993

(Btu/Kilowatthour)

	Consumption	Fossil Fuel Steam-Electric Power Plant Generation	Nuclear Power Plant Generation
1960	3,412	10,760	11,629
1961	3,412	10,650	11,629
1962	3,412	10,558	11,629
1963	3,412	10,482	11,877
1964	3,412	10,462	11,912
1965	3,412	10,453	11,804
1966	3,412	10,415	11,623
1967	3,412	10,432	11,555
1968	3,412	10,398	11,297
1969	3,412	10,447	11,037
1970	3,412	10,494	10,977
1971	3,412	10,478	10,837
1972	3,412	10,379	10,792
1973	3,412	10,389	10,903
1974	3,412	10,442	11,161
1975	3,412	10,406	11,013
1976	3,412	10,373	11,047
1977	3,412	10,435	10,769
1978	3,412	10,361	10,941
1979	3,412	10,353	10,879
1980	3,412	10,388	10,908
1981	3,412	10,453	11,030
1982	3,412	10,454	11,073
1983	3,412	10,520	10,905
1984	3,412	10,323	10,843
1985	3,412	10,339	10,813
1986	3,412	10,261	10,799
1987	3,412	10,253	10,776
1988	3,412	10,235	10,743
1989	3,412	10,331	10,724
1990	3,412	10,335	10,680
1991	3,412	10,352	10,740
1992	3,412	10,302	10,678
1993	3,412	10,302	10,678

Source: *State Energy Data Report, Consumption Estimates 1960-1992*. U.S. Department of Energy, Energy Information Administration. Washington, D.C. May, 1994.

*Notes: The heat content of a kilowatthour of electricity for consumption is 3,412 Btu regardless of the generation process. The heat content for a fossil fuel steam-electric power plant is assumed to be the average at all such U.S. power plants. This factor is also applied to convert hydroelectricity for distribution.

Figure 100
Conversion Factors for Natural Gas and Coal
Consumed in Nebraska, 1960-1993

	Natural Gas (Btu/Cubic Foot)		Coal (Thousand Btu/Short Ton)		
	Utility	Non-Utility	Residential/ Commercial	Industrial	Electric Utility
1960	1,035	1,035	20,913	21,975	24,782
1961	1,035	1,035	20,896	21,943	24,796
1962	1,035	1,035	20,890	21,933	24,552
1963	991	991	20,872	21,903	24,316
1964	990	990	20,856	21,873	24,436
1965	991	991	20,804	21,781	24,568
1966	996	996	20,724	21,638	24,484
1967	996	996	20,638	21,485	24,242
1968	998	998	20,626	21,465	24,432
1969	998	998	20,478	21,200	24,356
1970	1,008	1,008	20,093	20,517	23,914
1971	1,008	1,008	19,933	20,232	22,954
1972	984	1,015	19,876	20,130	23,030
1973	981	1,012	19,898	20,171	22,309
1974	983	1,007	19,582	20,023	21,253
1975	982	996	18,406	19,285	20,954
1976	971	997	18,410	19,243	20,823
1977	967	1,001	18,074	19,044	21,913
1978	968	1,000	17,967	18,541	20,575
1979	954	997	18,441	18,821	19,181
1980	950	980	18,038	19,194	18,809
1981	942	979	17,701	18,666	18,015
1982	982	981	19,195	18,830	17,851
1983	949	982	20,616	19,699	17,572
1984	948	981	21,375	19,391	17,797
1985	957	982	21,526	18,597	17,299
1986	971	993	20,809	18,412	17,427
1987	977	985	20,935	18,612	17,202
1988	954	983	18,275	18,722	17,239
1989	959	988	21,379	19,127	17,329
1990	946	984	21,374	19,036	17,122
1991	942	985	21,544	18,908	17,083
1992	959	979	20,436	18,448	17,105
1993	959	979	20,436	18,448	17,105

Source: *State Energy Data Report, Consumption Estimates 1960-1992*. U.S. Department of Energy, Energy Information Administration. Washington, D.C. May, 1994.

Glossary

- Asphalt:** A dark-brown-to-black cement-like material containing bitumens as the predominant constituents, obtained by petroleum processing.
- Aviation Gasoline:** All special grades of gasoline for use in aviation reciprocating engines.
- Barrel:** A volumetric unit of measure for crude oil and petroleum products equivalent to 42 U.S. gallons.
- British Thermal Unit (Btu):** A standard unit for measuring the amount of energy required to raise the temperature of one pound of water 1 degree Fahrenheit. An average Btu content of fuel is a heat value per unit quantity of fuel as determined from tests of fuel samples.
- City Gate Price:** Price of natural gas at the point it is transferred from a pipeline to a local distribution company.
- Coal:** A black or brownish-black solid combustible substance formed by the partial decomposition of vegetable matter without access to air.
- Commercial Sector:** Nonmanufacturing business establishments, including hotels, motels, restaurants, wholesale businesses, retail stores, laundries and other service enterprises; health, social and educational institutions; and federal, state and local governments. Street lights, pumps, bridges and public services are also included.
- Crude Oil:** A mixture of hydrocarbons that exists in liquid phase in underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities.
- Degree Days, Cooling:** The number of degrees that the daily average temperature is above 65 degrees Fahrenheit. The daily average temperature is the average of the maximum and minimum temperatures for a 24-hour period.
- Degree Days, Heating:** The number of degrees that the daily average temperature is below 65 degrees Fahrenheit. The daily average temperature is the average of the maximum and minimum temperatures for a 24-hour period.
- Degree Days, Normal:** Simple arithmetic averages of monthly or annual degree days over a long period of time (usually the 30-year period, 1951-1980).
- Degree Days, Population Weighted:** Heating or cooling degree days weighted by the population of the area in which the degree days are recorded. To compute state population weighted degree days, each state is divided into from one to nine climatically homogeneous divisions which are assigned weights based on the ratio of the population of the division to the total population of the state.
- Development Well:** A well drilled within the proved area of an oil or gas reservoir to the depth of a stratigraphic horizon known to be productive.
- Diesel Fuel:** See Distillate Fuel.
- Distillate Fuel:** Light fuel oils distilled during the refining process and used primarily for space heating, on- and off-highway diesel engine fuel (including railroad engine fuel and fuel for agricultural machinery) and electric power generation. Diesel fuel oils are used in compression-ignition engines.
- Electrical System Energy Losses:** The amount of energy lost during generation, transmission, and distribution of electricity, including plant use and unaccounted for electrical energy.
- Electric Utility Sector:** Privately and publicly owned establishments for the generation, transmission, distribution or sale of electric energy, primarily for use by the public.
- End Use Energy:** A measure of the energy content of fuels at the point where they are consumed. End use energy does not include energy lost in the generation and transmission of electricity.
- Exploratory Well:** A well drilled to find and produce oil or gas in an unproved area; to find a new reservoir in a field previously found to be productive of oil or gas in another reservoir; or to extend the limit of a known oil or gas reservoir.
- F.O.B.(free on board):** The price actually charged at the point of loading.
- Gasohol:** A blend of finished motor gasoline (leaded or unleaded) and alcohol (generally ethanol but sometimes methanol) in which 10 percent or more of the product is alcohol.
- Gasoline:** A complex mixture of relatively volatile hydrocarbons, with or without small quantities of additives, that have been blended to form a fuel suitable for use in spark-ignition engines. Includes finished leaded motor gasoline (premium and regular), finished unleaded motor gasoline (premium and regular), motor gasoline blending components and gasohol.
- Heating Oil:** A distillate fuel oil for use in atomizing-type burners for domestic heating or for moderate capacity commercial and industrial burner units.
- Hydroelectric Power (Hydro):** Electricity generated by an electric power plant whose turbines are driven by falling water.
- Industrial Sector:** Sector including manufacturing, construction, mining, agriculture, fishing and forestry establishments.
- Jet Fuel:** Includes both Naptha-type and kerosene-type jet fuel. Although most jet fuel is used in aircraft, some is used for other purposes, such as fuel for turbines to produce electricity.
- Kerosene:** A petroleum middle distillate, having burning properties suitable for use as an illuminant when burned in wick lamps. Kerosene is primarily used in space heaters, cooking stoves and water heaters.
- Kilowatt:** One thousand watts (see Watt).
- Kilowatthour:** One thousand watthours (see Watthour).
- Lubricants:** Substances used to reduce friction between bearing surfaces. Petroleum lubricants may be produced from either distillates or residuals.
- Megawatt:** One million watts, or one thousand kilowatts (see Watt).
- Middle Distillates:** A general classification of fuels that includes heating oil, diesel fuel and kerosene.
- Natural Gas:** A mixture of hydrocarbons and small quantities of various nonhydrocarbons existing in the gaseous phase or in solution with crude oil in natural underground reservoirs.
- Net Interstate Sales of Electricity:** The difference between the

Glossary

amount of electricity sales and electricity losses (due to generation and transmission) within Nebraska and the total amount of energy used in generating electricity within the state.

Nuclear Power: Electricity generated by an electric power plant whose turbines are driven by steam produced in a reactor by heat from the fissioning of nuclear fuel.

Petroleum: A generic term applied to oil and oil products in all forms, such as crude oil, lease condensate, unfinished oils, petroleum products, natural gas plant liquids and nonhydrocarbon compounds blended into finished petroleum products.

Primary Energy: A measure of the energy content of energy resources consumed including the energy lost in the generation and transmission of electricity.

Primary energy resources: Petroleum products, natural gas, coal, hydro-electric power and nuclear power.

Propane: A normally gaseous hydrocarbon extracted from natural gas or refinery gas streams. Propane is used primarily for residential and commercial heating and cooling and also as a fuel for transportation. Also included for purposes of this report are other liquified petroleum gases such as ethane, butane, etc. Industrial uses of propane include use as a petrochemical feedstock.

Proved Reserves: The estimated quantities of crude oil or natural gas which geological and engineering data demonstrate with reasonable certainty to be recoverable in future years from known reservoirs under existing economic and operating conditions.

Residential Sector: Sector consisting of private households which consume energy primarily for space heating, water heating, air conditioning, lighting, refrigeration, cooking and clothes drying.

Residual Fuel: The heavier oils that remain after the distillate

fuel oils and lighter hydrocarbons are distilled away in refinery operations. Residual fuel is used for commercial and industrial heating and electricity generation.

Road Oil: Any heavy petroleum oil, including residual asphaltic oil used as a dust palliative and surface treatment on roads and highways.

Short Ton: A unit of weight equal to 2,000 pounds.

Special Fuels: Fuel which is delivered into a fuel supply tank of a motor vehicle or into special fuel storage facilities designed or equipped to fuel motor vehicles. Special fuels include, but are not limited to, diesel and liquid petroleum gases. Gasoline is not a special fuel.

Stripper Well: Wells which produce less than ten barrels of crude oil per day.

Transportation Sector: Sector including private and public vehicles that move people and commodities. Included are automobiles, trucks, buses, motorcycles, railroad and railways (including streetcars), aircraft, ships, barges and natural gas pipelines.

Vessel Bunkering: Includes sales for the fueling of commercial or private boats, such as pleasure craft, fishing boats, tugboats and ocean going vessels, including vessels operated by oil companies. Excluded are volumes sold to the U.S. Armed Forces.

Watt: The electrical unit of power. The rate of energy transfer equivalent to one ampere flowing under a pressure of one volt at unity power factor.

Watthour (Wh): An electrical energy unit of measure equal to one watt of power supplied to or taken from, an electric circuit steadily for one hour.

Wellhead Price: The price at which all domestic crude oil and natural gas is first purchased at the point of production.

Source: *State Energy Data Report, Consumption Estimates, 1960-1989*. Energy Information Administration, U.S. Department of Energy, Washington, D.C. April, 1991.

Direct Access to Data

If you wish to access much of the data contained in this book electronically, please use the Energy Information Administration's Electronic Publishing System which is detailed on this page

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- Heating fuel data, (April through September) updated the 2nd week of the month
- Oxygenate data, updated approximately 15 working days after the end of the report month
- *Weekly Petroleum Status Report*, updated on Wednesdays (Thursday in event of a holiday) at 9:00 a.m.
- *Petroleum Supply Monthly*, updated on the 20th of the month
- *Petroleum Marketing Monthly*, updated on the 20th of the month
- *Winter Fuels Report*, propane inventory data updated Wednesdays at 5:00 p.m. All other data updated on Thursdays (Friday in event of a holiday) at 5:00 p.m. (October through March)
- *Natural Gas Monthly*, updated on the 20th of the month
- *Weekly Coal Production*, updated on Fridays at 5:00 p.m.
- *Quarterly Coal Report*, updated 60 days after the end of the quarter
- *Electric Power Monthly*, updated on the first of the month
- *Monthly Energy Review*, updated the last week of the month
- *Short Term Energy Outlook*, updated 60 days after the end of the quarter.

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