

Table F-12
Missouri Electric Power Sector Price & Expenditure Estimates by Source: 1970-2015
Part I — (expenditures in million nominal dollars)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Coal	58.6	71.3	83.0	112.8	140.6	205.4	259.3	341.1	442.2	491.7
Natural Gas ^a	16.6	20.7	21.7	18.1	20.8	15.0	19.1	28.0	30.4	30.4
Total Petroleum	1.1	1.7	2.9	4.3	7.1	13.5	15.8	25.7	38.9	25.2
Residual Fuel Oil	0.5	1.1	1.9	2.1	3.4	4.1	6.5	10.8	14.7	9.1
Distillate Fuel Oil	0.6	0.6	1.0	2.2	3.7	9.3	9.3	14.6	23.1	15.3
Petroleum Coke	—	—	—	(s)	0.1	0.1	—	0.3	1.1	0.8
Nuclear Fuel	—	—	—	—	—	—	—	—	—	—
Wood and Waste ^b	—	—	—	—	—	—	—	—	—	—
Electricity Imports ^c	—	—	—	—	—	—	—	—	—	—
Total Energy^d	76.3	93.8	107.6	135.1	168.6	234.0	294.2	394.9	511.5	547.3
	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Coal	586.4	666.5	700.1	786.7	824.8	728.4	690.4	689.2	700.4	691.0
Natural Gas ^a	33.3	20.1	16.5	11.6	9.8	4.8	3.4	4.0	4.5	3.1
Total Petroleum	19.9	13.4	15.2	15.6	8.3	7.2	4.8	5.4	6.7	6.3
Residual Fuel Oil	0.6	0.5	0.6	1.7	0.5	0.4	0.3	0.4	0.4	0.5
Distillate Fuel Oil	18.8	12.9	14.6	13.8	7.8	6.8	4.5	5.0	6.3	5.7
Petroleum Coke	0.4	—	—	0.1	—	(s)	—	—	(s)	0.1
Nuclear Fuel	—	—	—	—	7.8	70.0	61.9	33.9	69.4	62.3
Wood and Waste ^b	—	—	—	—	—	—	—	—	—	—
Electricity Imports ^c	—	—	—	—	—	—	—	—	—	—
Total Energy^d	639.6	700.0	731.8	813.9	850.7	810.4	760.4	732.4	781.0	762.8

This table has been produced by the State & Legal Fiscal Studies Unit, University of Missouri-Columbia

Table F-12 (continued)
Missouri Electric Power Sector Price & Expenditure Estimates by Source: 1970-2015
Part I — (expenditures in million nominal dollars)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Coal	678.0	670.5	655.6	537.5	561.9	554.4	573.6	590.8	609.1	605.8
Natural Gas ^a	6.2	19.2	4.5	11.5	8.3	21.7	13.5	21.2	36.4	52.3
Total Petroleum	6.3	7.2	4.8	12.3	11.0	11.4	6.7	7.3	13.6	15.6
Residual Fuel Oil	0.1	0.4	0.2	0.2	0.3	0.1	0.4	0.4	0.1	(s)
Distillate Fuel Oil	6.2	6.8	4.6	8.6	5.6	6.4	6.3	6.9	13.5	15.6
Petroleum Coke	—	—	—	3.5	5.1	4.9	—	—	—	(s)
Nuclear Fuel	62.3	74.7	48.7	49.2	51.3	41.3	44.2	44.5	43.8	42.6
Wood and Waste ^b	—	—	—	(s)	(s)	0.2	0.2	0.3	0.5	0.3
Electricity Imports ^c	—	—	—	—	—	(s)	—	(s)	(s)	0.1
Total Energy^d	752.7	771.6	713.5	610.5	632.5	629.1	638.1	664.1	703.3	716.7
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Coal	608.7	659.0	622.7	703.7	718.8	814.2	884.4	1,026.1	1,148.0	1,131.7
Natural Gas ^a	135.7	168.4	99.3	119.6	156.0	268.5	225.1	301.2	334.7	143.1
Total Petroleum	22.3	14.7	9.9	9.7	8.4	17.7	11.7	13.8	17.0	12.2
Residual Fuel Oil	(s)	(s)	(s)	—	—	—	—	—	—	—
Distillate Fuel Oil	22.3	11.0	6.9	9.4	7.5	17.4	11.7	13.8	17.0	11.5
Petroleum Coke	—	3.7	2.9	0.4	0.9	0.3	—	—	(s)	0.6
Nuclear Fuel	42.7	33.2	34.1	41.7	35.3	35.3	44.0	45.9	46.3	63.1
Wood and Waste ^b	0.5	—	(s)	(s)	(s)	—	(s)	(s)	0.6	1.9
Electricity Imports ^c	—	—	(s)	—	—	0.7	0.2	0.1	13.0	27.6
Total Energy^d	809.9	875.3	766.0	874.8	918.5	1,136.4	1,165.4	1,387.0	1,559.8	1,379.5

Table F-12
Missouri Electric Power Sector Price & Expenditure Estimates by Source: 1970-2015
Part I — (expenditures in million nominal dollars)

	2010	2011	2012	2013	2014	2015
Coal	1,229.3	1,394.6	1,375.4	1,480.6	1,505.0	1,278.4
Natural Gas ^a	212.7	191.1	179.5	169.8	190.2	130.3
Total Petroleum	22.4	18.4	17.7	15.5	22.9	11.7
Residual Fuel Oil	—	—	—	—	—	—
Distillate Fuel Oil	22.3	18.4	17.7	15.5	22.9	11.7
Petroleum Coke	0.1	—	—	—	—	—
Nuclear Fuel	62.9	70.2	102.9	78.7	85.1	96.6
Wood and Waste ^b	0.9	0.6	0.1	0.9	1.0	1.1
Electricity Imports ^c	0.2	0.5	0.4	0.1	—	—
Total Energy^d	1,528.5	1,675.4	R1,675.9	1,745.6	1,804.2	1,518.1

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Table F-12 (continued)
Missouri Electric Power Sector Price & Expenditure Estimates by Source: 1970-2015
Part II — (prices in nominal dollars per million BTU)

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
Coal	0.25	0.28	0.29	0.34	0.42	0.54	0.62	0.75	1.01	1.06
Natural Gas ^a	0.26	0.30	0.38	0.34	0.45	0.59	0.77	1.12	1.14	1.53
Total Petroleum	0.62	0.71	0.60	0.97	1.91	2.05	2.03	2.25	2.22	2.87
Residual Fuel Oil	0.55	0.65	0.55	0.77	1.77	1.74	1.72	1.98	1.97	2.41
Distillate Fuel Oil	0.69	0.83	0.70	1.31	2.25	2.26	2.31	2.68	2.67	4.07
Petroleum Coke	—	—	—	0.26	0.33	0.65	—	0.63	0.78	0.67
Nuclear Fuel	—	—	—	—	—	—	—	—	—	—
Wood and Waste ^b	—	—	—	—	—	—	—	—	—	—
Electricity Imports ^c	—	—	—	—	—	—	—	—	—	—
Total Energy^d	0.26	0.29	0.31	0.34	0.44	0.57	0.66	0.81	1.06	1.11
	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Coal	1.19	1.35	1.43	1.49	1.50	1.50	1.47	1.41	1.38	1.35
Natural Gas ^a	2.22	2.66	3.64	4.16	3.93	3.31	2.92	2.96	2.77	2.46
Total Petroleum	5.07	7.08	6.79	5.70	5.94	5.60	3.38	3.93	3.35	3.90
Residual Fuel Oil	3.45	4.50	4.36	4.19	4.40	3.99	2.32	2.41	1.83	2.12
Distillate Fuel Oil	6.02	7.25	6.96	6.08	6.09	5.76	3.49	4.14	3.55	4.45
Petroleum Coke	0.67	—	—	1.33	—	1.38	—	—	0.97	0.80
Nuclear Fuel	—	—	—	—	0.78	0.82	0.82	0.52	0.73	0.71
Wood and Waste ^b	—	—	—	—	—	—	—	—	—	—
Electricity Imports ^c	—	—	—	—	—	—	—	—	—	—
Total Energy^d	1.25	1.39	1.48	1.53	1.5	1.41	1.38	1.32	1.29	1.26

Table F-12 (continued)
Missouri Electric Power Sector Price & Expenditure Estimates by Source: 1970-2015
Part II — (prices in nominal dollars per million BTU)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Coal	1.35	1.34	1.34	1.24	1.10	0.98	0.96	0.93	0.92	0.93
Natural Gas ^a	1.72	1.49	1.87	2.32	1.90	1.68	2.55	2.79	2.23	2.66
Total Petroleum	4.99	4.23	3.92	1.58	1.23	1.35	4.45	4.15	3.27	3.81
Residual Fuel Oil	1.80	1.33	1.45	1.64	1.66	1.64	2.31	2.53	1.79	2.12
Distillate Fuel Oil	5.11	4.78	4.26	4.01	3.75	3.89	4.73	4.31	3.30	3.82
Petroleum Coke	—	—	—	0.64	0.71	0.73	—	—	—	—
Nuclear Fuel	0.74	0.71	0.58	0.56	0.49	0.48	0.47	0.47	0.49	0.47
Wood and Waste ^b	—	—	—	0.52	0.68	0.61	0.65	0.65	0.58	0.52
Electricity Imports ^c	—	—	—	—	—	6.21	—	6.71	7.87	8.69
Total Energy^d	1.27	1.25	1.23	1.14	1.01	0.94	0.91	0.90	0.91	0.93
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Coal										
Natural Gas ^a	0.92	0.96	0.89	0.92	0.92	1.01	1.11	1.33	1.50	1.52
Total Petroleum	4.39	4.67	3.29	5.40	6.21	8.26	6.76	7.17	7.65	4.72
Residual Fuel Oil	6.49	2.00	1.67	5.02	3.88	8.63	14.57	17.13	20.64	9.33
Distillate Fuel Oil	3.56	3.20	2.50	—	—	—	—	—	—	—
Petroleum Coke	6.49	6.06	5.41	6.70	8.38	12.36	14.57	17.13	21.02	12.84
Nuclear Fuel	—	0.67	0.63	0.67	0.68	0.50	—	—	1.46	1.53
Wood and Waste ^b	0.41	0.38	0.39	0.41	0.43	0.42	0.42	0.47	0.47	0.59
Electricity Imports ^c	0.63	—	1.64	1.58	2.94	—	(s)	(s)	1.88	2.48
Total Energy^d	—	—	8.94	—	—	16.53	17.32	18.25	18.28	12.10
	1.01	1.07	0.93	0.98	1.03	1.23	1.24	1.52	1.71	1.56

Table F-12
Missouri Electric Power Sector Price & Expenditure Estimates by Source: 1970-2015
Part II — (prices in nominal dollars per million BTU)

	2010	2011	2012	2013	2014	2015
Coal	1.57	1.72	1.85	1.90	2.0	1.90
Natural Gas ^a	5.20	4.97	3.46	4.45	5.27	3.27
Total Petroleum	15.28	22.01	22.83	22.25	20.51	12.88
Residual Fuel Oil	—	—	—	—	—	—
Distillate Fuel Oil	16.39	22.01	22.83	22.25	20.51	12.88
Petroleum Coke	1.21	—	—	—	—	—
Nuclear Fuel	0.67	0.72	0.92	0.90	0.88	0.88
Wood and Waste ^b	1.41	1.03	0.09	1.20	1.13	1.10
Electricity Imports ^c	13.31	11.53	9.51	11.49	—	—
Total Energy^d	1.67	1.77	1.84	1.92	2.03	1.84

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Table F-12 (continued)
Missouri Electric Power Sector Price & Expenditure Estimates by Source: 1970-2015

^a Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.

^b Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

^c Electricity imported from Canada and Mexico.

^d There are no direct fuel costs for hydroelectric, geothermal, wind, photovoltaic, or solar thermal energy.

R = Revised data

— = No consumption

(s) = Value less than 0.05 million dollars.

Notes: Expenditure totals may not equal sum of components due to independent rounding.

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