

Table A-1. Technology Subsidy Data (In Millions of 1999 Dollars)

	1947	1948	1949	1950	1951	1952	1953	1954	1955
Direct Program Budget Subsidies									
Nuclear									
DOE/ERDA									
NRC									
AEC	672.0	1071.6	1259.6	798.9	2421.1	1358.5	4414.8	1668.5	2277.6
Subtotal	672.0	1071.6	1259.6	798.9	2421.1	1358.5	4414.8	1668.5	2277.6
Solar									
Photovoltaic									
Solar Thermal									
Subtotal									
Wind									
Subtotal									
Off-Budget Subsidies									
Nuclear									
Solar									
Wind									
Subtotal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Subsidy (Direct and Off-Budget)									
Nuclear	672.0	1071.6	1259.6	798.9	2421.1	1358.5	4414.8	1668.5	2277.6
Solar									
Wind									
Total	672.0	1,071.6	1,259.6	798.9	2,421.1	1,358.5	4,414.8	1,668.5	2,277.6

Note: Estimates are based on analysis by author. See Appendix A for more detail on methodology and sources.

	1956	1957	1958	1959	1960	1961	1962	1963	1964
Direct Program Budget Subsidies									
Nuclear									
DOE/ERDA									
NRC									
AEC	2449.9	3029.5	3590.6	4439.7	4863.1	4939.5	4482.0	4222.5	3617.1
Subtotal	2449.9	3029.5	3590.6	4439.7	4863.1	4939.5	4482.0	4222.5	3617.1
Solar									
Photovoltaic									
Solar Thermal									
Subtotal									
Wind									
Subtotal									
Off-Budget Subsidies									
Nuclear				19.8	39.6	39.6	59.5	59.5	59.5
Solar									
Wind									
Subtotal	0.0	0.0	0.0	19.8	39.6	39.6	59.5	59.5	59.5
Total Subsidy (Direct and Off-Budget)									
Nuclear	2449.9	3029.5	3590.6	4459.5	4902.8	4979.2	4541.5	4282.0	3676.5
Solar									
Wind									
Total	2,449.9	3,029.5	3,590.6	4,459.5	4,902.8	4,979.2	4,541.5	4,282.0	3,676.5

Note: Estimates are based on analysis by author. See Appendix A for more detail on methodology and sources.

	1965	1966	1967	1968	1969	1970	1971	1972	1973
Direct Program Budget Subsidies									
Nuclear									
DOE/ERDA									
NRC									
AEC	4062.8	3703.2	3554.0	3481.1	3219.3	2901.8	2113.3	3148.3	2506.4
Subtotal	4062.8	3703.2	3554.0	3481.1	3219.3	2901.8	2113.3	3148.3	2506.4
Solar									
Photovoltaic									
Solar Thermal									
Subtotal									
Wind									
Subtotal									
Off-Budget Subsidies									
Nuclear	59.5	59.5	79.3	79.3	178.4	257.6	356.7	475.6	832.3
Solar									
Wind									
Subtotal	59.5	59.5	79.3	79.3	178.4	257.6	356.7	475.6	832.3
Total Subsidy (Direct and Off-Budget)									
Nuclear	4122.3	3762.6	3633.3	3560.4	3397.6	3159.5	2470.0	3623.9	3338.7
Solar									
Wind									
Total	4,122.3	3,762.6	3,633.3	3,560.4	3,397.6	3,159.5	2,470.0	3,623.9	3,338.7

Note: Estimates are based on analysis by author. See Appendix A for more detail on methodology and sources.

	1974	1975	1976	1977	1978	1979	1980	1981	1982
Direct Program Budget Subsidies									
Nuclear									
DOE/ERDA	2,622.0	1,143.0	1,261.1	2,582.0	2,405.5	2,283.3	2,123.5	1,993.7	1,811.9
NRC	239.2	357.3	293.3	354.3	372.6	389.4	433.7	449.0	439.4
AEC									
Subtotal	2,861.1	1,500.3	1,554.4	2,936.3	2,778.1	2,672.7	2,557.2	2,442.8	2,251.3
Solar									
Photovoltaic		14.2	73.0	135.4	145.3	253.4	290.4	235.6	123.2
Solar Thermal		36.1	68.0	171.4	238.3	247.5	277.1	212.3	93.1
Subtotal		50.3	141.0	306.8	383.6	501.0	567.5	447.9	216.3
Wind		15.6	49.2	55.3	84.0	125.8	117.2	95.9	57.3
Subtotal		65.9	190.2	362.1	467.6	626.8	684.7	543.7	273.6
Off-Budget Subsidies									
Nuclear	1,089.9	1,129.6	1,248.5	1,327.7	1,387.2	1,367.4	1,407.0	1,486.3	1,545.7
Solar									
Wind									
Subtotal	1,089.9	1,129.6	1,248.5	1,327.7	1,387.2	1,367.4	1,407.0	1,486.3	1,545.7
Total Subsidy (Direct and Off-Budget)									
Nuclear	3,951.1	2,629.8	2,802.8	4,264.1	4,165.3	4,040.1	3,964.2	3,929.1	3,797.0
Solar		50.3	141.0	306.8	383.6	501.0	567.5	447.9	216.3
Wind		15.6	49.2	55.3	84.0	125.8	117.2	95.9	57.3
Total	3,951.1	2,695.8	2,993.0	4,626.2	4,633.0	4,666.9	4,648.9	4,472.8	4,070.6

Note: Estimates are based on analysis by author. See Appendix A for more detail on methodology and sources.

	1983	1984	1985	1986	1987	1988	1989	1990	1991
Direct Program Budget Subsidies									
Nuclear									
DOE/ERDA	1,372.3	1,067.1	911.9	898.5	848.4	824.0	816.2	425.1	368.2
NRC	423.5	411.3	375.0	337.8	325.8	298.5	289.6	331.2	26.0
AEC									
Subtotal	1,795.8	1,478.4	1,286.8	1,236.3	1,174.2	1,122.5	1,105.8	756.4	394.1
Solar									
Photovoltaic	93.0	76.9	81.3	71.8	57.6	48.0	46.8	44.0	56.6
Solar Therm	79.3	66.8	50.4	37.7	33.7	27.4	19.8	19.1	23.5
Subtotal	172.3	143.7	131.7	109.4	91.3	75.4	66.6	63.0	80.1
Wind	50.3	40.3	42.2	39.9	23.4	12.6	11.6	11.6	13.5
Subtotal	222.6	184.0	173.9	149.3	114.7	88.0	78.2	74.6	93.7
Off-Budget Subsidies									
Nuclear	1,605.2	1,724.1	1,902.4	2,001.5	2,120.4	2,160.1	383.1	386.6	383.1
Solar	0.0	3.5	3.8	3.9	3.8	3.6	3.5	3.4	3.2
Wind	24.5	25.5	1.8	2.7	0.0	0.0	0.0	0.0	0.0
Subtotal	1,629.6	1,753.1	1,908.0	2,008.2	2,124.2	2,163.7	386.7	390.0	386.3
Total Subsidy (Direct and Off-Budget)									
Nuclear	3,400.9	3,202.5	3,189.3	3,237.8	3,294.7	3,282.6	1,488.9	1,143.0	777.2
Solar	172.3	147.2	135.5	113.3	95.1	79.0	70.1	66.4	83.4
Wind	74.8	65.8	43.9	42.6	23.4	12.6	11.6	11.6	13.5
Total	3,648.0	3,415.5	3,368.7	3,393.8	3,413.1	3,374.3	1,570.6	1,221.0	874.1

Note: Estimates are based on analysis by author. See Appendix A for more detail on methodology and sources.

	1992	1993	1994	1995	1996	1997	1998	1999	Total
Direct Program Budget Subsidies									
Nuclear									
DOE/ERDA	445.1	361.3	380.5	420.6	274.9	243.5	231.5	326.0	28,441.0
NRC	28.7	14.2	18.9	38.2	57.3	33.3	23.5	0.0	6,360.9
AEC									80,266.9
Subtotal	473.8	375.5	399.4	458.8	332.2	276.7	255.0	326.0	115,068.8
Solar									
Photovoltaic	70.4	75.0	87.7	99.4	69.0	62.4	67.8	72.2	2,450.3
Solar Therm	33.9	30.9	36.7	35.7	26.5	23.1	17.1	17.0	1,922.6
Subtotal	104.3	105.9	124.4	135.1	95.5	85.6	85.0	89.2	4,372.9
Wind	24.9	27.5	34.1	53.5	34.5	30.2	33.7	34.8	1,118.8
Subtotal	129.2	133.3	158.5	188.7	130.0	115.7	118.6	124.0	5,491.7
Off-Budget Subsidies									
Nuclear	376.2	379.7	376.2	376.2	376.2	376.2	359.0	359.0	30,290.2
Solar	3.1	3.1	3.0	2.9	2.8	2.8	2.8	2.8	52.0
Wind	0.0	0.0	0.0	6.5	6.8	3.6	3.5	3.6	78.4
Subtotal	379.3	382.7	379.2	385.6	385.9	382.6	365.2	365.4	30,420.6
Total Subsidy (Direct and Off-Budget)									
Nuclear	850.0	755.2	775.6	835.0	708.4	653.0	614.0	685.0	145,359.0
Solar	107.4	108.9	127.4	138.1	98.4	88.4	87.7	92.0	4,424.8
Wind	24.9	27.5	34.1	60.0	41.3	33.7	37.2	38.4	1,197.2
Total	982.3	891.6	937.1	1,033.1	848.0	775.1	738.9	815.3	150,981.1

Note: Estimates are based on analysis by author. See Appendix A for more detail on methodology and sources.