	O&M Expenditures, $Mn				
Ind.	Paper & products	Printing & publishing	Chemicals & products	Petroleum refining	Rubber & plastics
Year					
1973	44.43	4.87	148.28	182.90	10.04
1974	57.26	5.20	163.08	212.73	12.13
1975	71.54	6.20	192.20	304.61	16.08
1976	87.07	6.58	235.72	414.65	17.18
1977	93.42	6.20	268.04	539.17	15.40
1978	112.21	6.99	320.55	570.65	13.74
1979	118.49	7.96	369.47	637.57	23.68
1980	140.91	11.93	439.98	827.39	23.93
1981	152.96	13.62	468.49	1022.05	23.59
1982	146.44	15.48	447.04	1071.76	17.24
1983	161.35	26.15	505.12	1085.33	39.74
1984	199.38	35.83	501.32	1193.95	39.78
1985	224.35	46.55	547.29	1160.03	36.69
1986	234.17	54.24	538.18	1143.10	40.93
1987	260.71	61.76	578.71	1148.46	46.85
1988	269.30	65.02	579.64	1076.32	49.53
1989	285.09	68.83	613.63	1139.43	52.44
1990	319.09	77.04	686.81	1275.33	58.69

	O&M Expenditures, $Mn				
Ind.	Leather & products	Stone, clay & glass	Primary metals	Fabricated metals	Non-electric machinery
Year					
1973	.70	54.53	224.44	22.37	16.66
1974	.73	68.61	270.54	26.86	19.31
1975	.88	76.67	344.33	25.51	22.69
1976	.80	85.07	457.05	27.46	24.39
1977	.80	99.46	570.19	31.42	26.72
1978	1.03	114.30	647.86	32.92	32.73
1979	.91	124.33	744.07	42.22	37.88
1980	.82	128.91	809.86	38.85	38.85
1981	.71	135.96	907.13	41.14	38.50
1982	.59	99.72	718.05	38.01	37.21
1983	1.11	126.32	727.72	64.40	46.56
1984	1.77	150.53	816.29	50.89	54.76
1985	1.79	153.46	863.99	62.82	61.40
1986	1.75	171.38	802.66	77.42	67.30
1987	1.88	180.10	823.74	95.96	63.64
1988	1.88	176.56	788.98	107.77	55.75
1989	1.99	186.91	835.24	114.08	59.01
1990	2.23	209.20	934.86	127.69	66.05

	O&M Expenditures, $Mn				
Ind.	Electrical machinery	Motor vehicles	Other transport equip.	Instruments	Misc. manufacturing
Year					
1973	15.70	23.84	6.19	1.81	4.89
1974	16.58	27.00	8.98	4.16	5.59
1975	20.26	33.38	8.69	5.04	4.39
1976	19.50	36.33	9.11	7.36	5.95
1977	20.27	38.67	9.48	7.66	4.02
1978	22.52	50.98	11.19	6.23	3.08
1979	32.44	59.85	13.60	8.56	4.74
1980	33.61	74.42	15.83	9.77	4.06
1981	38.73	75.73	20.77	11.13	4.86
1982	40.42	67.42	17.62	11.01	7.31
1983	57.02	104.54	22.84	21.45	9.51
1984	54.87	118.88	37.09	20.19	5.71
1985	57.89	120.04	38.69	20.89	7.32
1986	67.07	119.89	43.75	17.58	4.62
1987	70.45	131.32	45.37	18.88	6.51
1988	69.04	133.73	43.90	18.90	7.93
1989	73.08	141.58	46.47	20.00	8.40
1990	81.80	158.46	52.01	22.39	9.40

	O&M Expenditures, $Mn				
Ind.	Transportation	Communications	Electric utilities	Gas utilities	Trade
Year					
1973	24.21	8.91	390.00	8.07	40.04
1974	38.78	9.46	649.00	14.54	45.79
1975	48.81	11.47	678.00	16.27	61.90
1976	60.47	11.92	691.00	21.34	78.72
1977	73.82	13.57	839.00	24.61	91.89
1978	82.92	15.03	1016.00	26.53	101.11
1979	93.09	15.60	1488.00	32.10	115.27
1980	107.42	18.61	1928.00	45.57	132.75
1981	132.80	21.36	1986.00	66.40	141.54
1982	123.74	18.65	1979.00	73.12	126.99
1983	140.05	21.38	2008.00	91.34	143.85
1984	162.94	24.47	2049.00	112.02	167.65
1985	176.48	26.08	2138.00	127.06	180.45
1986	184.19	26.97	2137.00	132.06	187.19
1987	190.39	27.50	2227.00	138.47	200.33
1988	179.49	27.23	2214.00	131.41	201.40
1989	183.71	29.07	2346.00	135.37	218.33
1990	198.78	32.67	2609.00	147.37	248.74

	O&M Expenditures, $Mn		
Ind.	Finance, insurance & real estate	Other services	Government enterprises
Year			
1973	23.35	33.43	5.47
1974	26.53	39.18	5.65
1975	35.58	53.02	6.82
1976	45.34	68.03	7.05
1977	53.13	79.95	7.99
1978	58.83	88.82	8.78
1979	67.49	102.93	9.09
1980	78.46	120.82	10.77
1981	83.86	129.82	12.27
1982	75.71	117.90	10.70
1983	86.40	135.09	12.23
1984	101.17	158.89	13.99
1985	109.48	172.44	14.93
1986	114.71	181.17	15.47
1987	124.84	197.56	15.79
1988	127.78	202.89	15.73
1989	140.27	224.71	16.92
1990	162.09	261.82	19.17

	Recovered Cost Values, $Mn				
Ind.	Food & products	Tobacco	Textile products	Lumber & products	Furniture & fixtures
Year					
1973	13.44	.99	.48	2.63	.45
1974	21.51	1.46	.43	4.43	.96
1975	25.80	1.93	1.14	6.03	1.15
1976	26.25	2.40	1.43	8.84	1.67
1977	21.97	2.87	1.13	5.47	2.18
1978	23.53	2.88	.96	9.25	1.79
1979	39.50	2.90	.80	6.30	2.30
1980	31.80	5.30	1.00	11.50	3.70
1981	40.40	3.57	1.10	6.00	3.30
1982	21.00	1.83	.70	5.75	.70
1983	10.60	.10	2.20	3.00	3.70
1984	19.50	1.13	2.20	6.00	3.50
1985	11.90	2.15	1.70	6.00	1.70
1986	21.47	3.18	1.60	7.30	7.10
1987	31.03	4.21	2.05	9.60	6.75
1988	40.60	5.24	2.50	11.90	6.40
1989	41.15	5.31	2.53	12.06	6.49
1990	46.07	5.94	2.84	13.50	7.26

	Recovered Cost Values, $Mn				
Ind.	Paper & products	Printing & publishing	Chemicals & products	Petroleum refining	Rubber & plastics
Year					
1973	26.84	2.02	40.53	31.54	2.42
1974	41.68	2.02	50.97	59.45	10.24
1975	55.15	2.25	68.62	98.05	6.56
1976	67.63	3.92	92.03	130.87	8.30
1977	74.12	2.65	100.66	169.75	4.04
1978	86.31	3.34	112.81	186.41	4.20
1979	83.10	7.40	124.60	200.00	8.90
1980	107.10	6.70	152.20	310.10	6.90
1981	133.40	6.50	181.20	356.00	7.60
1982	112.50	4.10	182.60	335.30	7.00
1983	159.30	6.90	148.80	341.10	4.00
1984	47.70	5.80	158.40	423.30	5.20
1985	52.30	6.90	119.40	406.60	5.90
1986	58.80	8.90	145.00	406.90	6.90
1987	98.85	14.65	180.00	396.30	7.50
1988	138.90	20.40	215.00	385.70	8.10
1989	140.79	20.68	217.92	390.94	8.21
1990	157.60	23.15	243.94	437.62	9.19

	Recovered Cost Values, $Mn				
Ind.	Leather & products	Stone, clay & glass	Primary metals	Fabricated metals	Non-electric machinery
Year					
1973	.03	19.28	39.90	3.04	3.64
1974	.03	26.05	59.58	2.74	2.82
1975	.03	32.82	73.83	2.50	3.05
1976	.03	46.67	78.02	2.10	4.08
1977	.03	54.07	97.85	1.17	4.52
1978	.06	58.87	109.78	1.50	3.80
1979	.10	67.50	182.40	5.00	2.30
1980	.10	59.90	137.20	8.00	5.00
1981	.06	68.70	156.00	9.20	6.90
1982	.03	56.00	109.10	3.60	4.00
1983	.01	38.90	74.20	9.10	8.00
1984	.06	36.80	133.60	10.10	2.00
1985	.10	26.10	107.80	4.80	2.50
1986	.10	33.50	139.50	8.10	2.20
1987	.10	59.50	141.65	8.15	2.75
1988	.10	85.50	143.80	8.20	3.30
1989	.10	86.66	145.75	8.31	3.34
1990	.11	97.01	163.16	9.30	3.74

Recovered Cost Values, $Mn

Ind. / Year	Electrical machinery	Motor vehicles	Other transport equip.	Instruments	Misc. manufacturing
1973	8.15	1.57	.65	.56	.57
1974	8.94	1.02	.50	.89	.67
1975	6.30	1.16	.26	1.09	.96
1976	15.72	1.31	.20	2.94	1.24
1977	10.44	1.18	.24	1.54	.98
1978	7.05	1.47	.27	1.27	1.29
1979	12.90	.40	.00	2.00	1.80
1980	9.00	.60	.20	2.80	2.40
1981	12.20	.40	.70	1.60	2.20
1982	6.40	.40	.50	4.00	1.35
1983	5.90	.30	1.00	4.60	.50
1984	6.10	2.40	1.30	3.68	.80
1985	5.50	2.20	1.10	2.76	1.00
1986	6.50	5.00	1.10	2.70	1.40
1987	11.60	5.60	1.50	3.82	1.50
1988	16.70	6.20	1.90	4.94	1.60
1989	16.93	6.28	1.93	5.00	1.62
1990	18.95	7.03	2.16	5.60	1.82

	Total Air Pollution Control Outlays, $Mn				
Ind.	Nonfarm business	Government enterprise	Air control investment	O&M expenditures	Recovered cost values
Year					
1973	2968	82	3050	1436	199
1974	3328	104	3432	1895	296
1975	3914	102	4016	2240	389
1976	3798	156	3954	2665	496
1977	3811	197	4008	3223	557
1978	3977	205	4182	3724	617
1979	4613	285	4898	4605	750
1980	5051	398	5449	5568	862
1981	5135	451	5586	6123	997
1982	5086	508	5594	5815	857
1983	4155	422	4577	6292	822
1984	4282	416	4698	6837	870
1985	4141	328	4469	7186	768
1986	4090	312	4402	7255	867
1987	4179	277	4456	7599	987
1988	4267	243	4510	7474	1107
1989	4760	235	4995	7916	1122
1990	4169	226	4395	8842	1256

	Mobile Source Emissions Control Costs, $ Mn				
	EPA				
Year	Investment in Vehicles (All Vehicle Types)	Investment in Aircraft	O & M Expenditures (All Vehicle Types)	Fuel Price Penalty (All Vehicle Types)	Fuel Economy Penalty (All Vehicle Types)
1973	276		-26	91	1700
1974	242		-98	244	2205
1975	1567	3	-289	358	2213
1976	1953	8	-514	468	2106
1977	2233	15	-738	568	1956
1978	2501	12	-1527	766	1669
1979	2937	4	-1826	1187	1868
1980	2944	5	-2120	1912	1998
1981	3526	8	-2386	2181	1594
1982	3518	33	-2542	2071	1026
1983	4271	60	-2739	1956	628
1984	5670	9	-2651	2012	313
1985	6379	8	-2838	3057	118
1986	6876	10	-3859	2505	-40
1987	6839	12	-4126	2982	-158
1988	7193	13	-4492	3127	-210
1989	7037	16	-4794	3476	-318
1990	7299	13	-5089	3754	-481

Mobile Source Emissions Control Costs, $ Mn

EPA, Light Duty Vehicles Only

Year	Inspection-Maintenance	Maintenance Credit	Fuel Price Penalty	Fuel Economy Penalty	Fuel Density Credit
1973		38	91	1466	3
1974		113	244	1913	14
1975	5	309	345	1928	40
1976	6	536	442	1841	69
1977	24	784	529	1748	106
1978	26	1578	711	1604	242
1979	28	1840	1065	1831	345
1980	31	2125	1696	2048	533
1981	44	2393	1915	1754	650
1982	117	2628	1782	1232	619
1983	147	2845	1641	847	580
1984	483	3152	1653	582	592
1985	553	3399	2630	403	584
1986	834	4754	2117	216	469
1987	913	5086	2513	152	512
1988	952	5464	2590	105	500
1989	993	5780	2910	79	581
1990	1034	6087	3108	58	720

Other Air Pollution Control Expenditures, $Mn

Private R&D expenditures were not included in CAA costs

Year	Abatement		Regulation & Monitoring		Research & Development		
	Federal	State & Local	Federal	State & Local	Private	Federal	State & Local
1973	47		50	115	451	126	6
1974	56		52	131	492	100	7
1975	88	1	66	139	466	108	8
1976	105	1	69	135	543	131	6
1977	106	1	80	161	654	144	7
1978	90		93	183	789	146	8
1979	103		100	200	924	105	7
1980	95		122	207	869	130	5
1981	85		108	226	852	131	
1982	87		93	230	912	126	2
1983	136	4	88	239	1315	133	6
1984	115	14	101	250	1359	165	4
1985	98	12	103	250	1427	247	3
1986	67	14	106	307	1499	217	4
1987	80	15	110	300	1574	200	2
1988	65	10	120	320	1652	220	1
1989	70	12	130	360	1718	230	2
1990	71	13	133	343	1820	231	2