

Appendix B: Monitoring Data

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Air Quality Index - Number of Days Exceeding US EPA Air Quality Standards

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Atlanta, GA	42	23	20	36	15	35	25	31	50	61	26
Austin-San Marcos, TX	4	3	1	2	4	10	0	0	5	8	6
Baltimore, MD	29	50	23	48	41	36	28	30	51	40	16
Boston, MA-NH NECMA	7	13	9	6	10	8	2	8	7	5	1
Denver-Boulder, CO	9	6	11	3	1	2	0	0	5	1	2
Houston, TX	51	36	32	28	38	66	26	47	38	50	42
Miami-Ft Lauderdale, FL	1	1	3	6	1	2	1	3	8	5	0
Minneapolis-St.Paul, MN	4	2	1	0	2	5	0	0	1	0	0
Norfolk-Va Beach VA	8	7	8	19	6	6	4	17	15	16	5
Orange, CA	45	35	35	25	15	9	9	3	6	1	4
Phoenix-Mesa, AZ	12	11	13	16	10	22	17	12	17	12	10
Pittsburgh, PA	19	21	9	13	19	25	11	21	39	23	4
Portland-Salem, OR-WA	11	9	6	0	2	2	6	0	3	2	0
Raleigh-Durham, NC	15	5	0	11	2	1	1	13	21	26	9
Sacramento, CA	61	46	51	20	36	41	42	15	27	38	29
San Diego, CA	96	67	66	58	46	48	31	14	33	16	14
San Francisco, CA	0	0	0	0	0	2	0	0	0	0	0
San Jose, CA	7	11	3	4	2	10	7	0	5	2	0
Seattle-Tacoma, WA	9	4	3	0	3	0	6	1	3	1	1
Tampa-St. Pete., FL	6	1	2	1	3	2	3	4	11	9	6
Washington, DC	25	48	14	52	20	29	18	29	47	39	11
California	42	32	31	21	20	22	18	6	14	11	9
United States	22	19	15	17	13	17	11	12	19	17	9
Source:	U.S. Environmental Protection Agency, National Air Quality Emissions and Trends Report										
Notes:	The AQI is an index for reporting daily air quality. EPA uses the AQI for five major air pollutants regulated by the Clean Air Act: ground-level ozone, particulate matter, carbon monoxide, sulfur dioxide and nitrogen dioxide. For each of these pollutants, the EPA has established national air quality standards to protect against harmful health effects. The higher the AQI value, the greater the level of air pollution and the greater the health danger.										
	Because values for California and the U.S. are not available, California metro average was derived by averaging the AQIs of the five California metropolitan areas listed here. Similarly, the US metropolitan average is determined by averaging all 21 metropolitan areas listed here.										

San Diego Ozone Concentrations				
	Population-Weighted (pphm-hr/person)	Area-Weighted (pphm-hrs/km2)	3-Year Average Area	3-Year Average Population
1981	170.0	690.0		
1982	235.0	490.0		
1983	300.0	740.0	640.0	235.0
1984	195.0	500.0	576.7	243.3
1985	217.6	605.1	615.0	237.5
1986	100.1	268.8	458.0	170.9
1987	87.6	363.3	412.4	135.1
1988	139.3	567.0	399.7	109.0
1989	171.5	534.8	488.4	132.8
1990	150.9	449.6	517.1	153.9
1991	99.0	253.1	412.5	140.5
1992	68.0	229.0	310.5	106.0
1993	39.8	192.7	224.9	68.9
1994	6.4	143.5	188.4	38.1
1995	11.6	136.8	157.6	19.3
1996	6.3	72.8	117.7	8.1
1997	8.9	36.9	82.2	8.9
1998	7.1	124.2	78.0	7.4
1999	1.2	24.9	62.0	5.7
Source:	County of San Diego, Air Pollution Control District			

Index of Watershed Indicators			
	1997	1998	1999
Atlanta, GA	4.0	4.0	3.0
Austin-San Marcos, TX	2.0	3.5	2.0
Baltimore, MD	4.0	4.0	4.0
Boston, MA-NH NECMA	6.0	6.0	6.0
Denver-Boulder, CO	1.0	1.0	1.0
Houston, TX	6.0	6.0	5.0
Miami-Ft Lauderdale, FL	4.0	4.0	4.0
Minneapolis-St.Paul, MN	6.0	6.0	6.0
Norfolk-Va Beach VA	6.0	4.0	4.0
Orange, CA	3.0	5.0	5.0
Phoenix-Mesa, AZ	4.0	2.0	2.0
Pittsburgh, PA	3.0	3.0	3.0
Portland-Salem, OR-WA	4.0	3.0	4.0
Raleigh-Durham, NC	4.0	2.0	2.0
Sacramento, CA	4.0	3.0	3.0
San Diego, CA	4.0	4.0	2.0
San Francisco, CA	4.0	4.0	2.0
San Jose, CA	4.0	4.0	5.0
Seattle-Tacoma, WA	6.0	6.0	5.0
Tampa-St. Pete., FL	5.0	4.0	5.0
Washington, DC	4.0	4.0	4.0
California watershed average			3.8
United States watershed average			3.3
Source: US Environmental Protection Agency			

San Diego Tap Water Quality Measures

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Turbidity in Nephelometric Turbidity Units											
Testing Results	0.2		0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
State MCL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Federal MCL	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Coliform Bacteria											
					0.22	0.52	testing method changed			0.8	1.2
Total Trihalomethanes in parts per billion or micrograms per liter											
Testing Results	32.0		39.0	75.0	73.0	68.0	51.0	57.0	70.0	57.0	53.3
State MCL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Federal MCL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Total Dissolved Solids in parts per million or milligrams per liter											
Testing Results	558.0		636.0	559.0	525.0	492.0	409.0	544.0	478.0	442.0	474.0
State Recommended MCL	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	1000.0	1000.0
Federal Recommended MCL	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0	500.0		
Upper Limit MCL						1000.0	1000.0	1000.0	1000.0	1000.0	1000.0
Source: City of San Diego Water Department											
Notes: MCL = Maximum Contaminant Level, the highest level of a contaminant allowed in drinking water.											
Trihalomethanes, Turbidity and Total Dissolved Solids are Chemical Contaminants.											
Coliform Bacteria is a biological contaminant - some of which occurs naturally in the environment.											
Coliform Bacteria was initially measured as a percent of volume, now it is "percent of positive presence".											

San Diego Region Recycling and Trash Buried

	1995	1996	1997	1998	1999	2000	1998		
	Share of Trash Recycled						Tons Buried	Share	
Carlsbad	57%	48%	50%	44%	41%	44%	97,207	3.3%	
Chula Vista	42%	42%	41%	39%	36%	34%	126,057	4.3%	
Coronado	36%	27%	23%	12%	51%	56%	74,360	2.5%	
Del Mar	40%	46%	35%	N/A	24%	34%	18,162	0.6%	
El Cajon	43%	51%	42%	60%	63%	55%	44,761	1.5%	
Encinitas	46%	49%	51%	40%	47%	50%	76,716	2.6%	
Escondido	49%	45%	48%	43%	43%	46%	128,964	4.4%	
Imperial Beach	40%	41%	42%	40%	44%	48%	18,994	0.6%	
La Mesa	47%	41%	50%	48%	42%	39%	49,862	1.7%	
Lemon Grove	19%	34%	37%	N/A	15%	37%	30,529	1.0%	
National City	34%	48%	38%	38%	47%	53%	73,463	2.5%	
Oceanside	48%	47%	49%	47%	47%	46%	121,498	4.1%	
Poway	55%	56%	53%	51%	53%	49%	46,355	1.6%	
San Diego City	35%	45%	49%	46%	45%	48%	1,508,352	51.5%	
San Diego Uninc. Area	48%	45%	50%	45%	48%	44%	324,448	11.1%	
San Marcos	47%	45%	51%	48%	44%	42%	68,053	2.3%	
Santee	39%	52%	45%	30%	35%	33%	25,944	0.9%	
Solano Beach	48%	52%	53%	42%	47%	46%	18,785	0.6%	
Vista	43%	48%	55%	51%	42%	38%	78,769	2.7%	
Totals / Average	40.1%	45.0%	47.8%	44.5%	44.8%	46.2%	2,931,279	100.0%	
Source:	California Integrated Waste Management Board								
	website:	http://www.ciwmb.ca.gov/profiles/Juris/Default.asp							
Note:	Average recycling based on proportionate share of trash buried.								
	1997 average excludes Del Mar and Lemon Grove								
	1999 and 2000 data are preliminary								

Average Commute Time In Minutes Per Day		
Metropolitan Regions	1990	1999
Atlanta, GA	55.8	72.3
Austin-San Marcos, TX	46.3	54.5
Baltimore, MD	55.9	63.0
Boston, MA-NH NECMA	51.8	60.8
Denver-Boulder, CO	46.9	61.2
Houston, TX	56.8	59.5
Miami-Ft Lauderdale, FL	51.9	53.2
Minneapolis-St.Paul, MN	45.0	60.7
Norfolk-Va Beach VA	45.6	46.1
Orange, CA	54.6	54.3
Phoenix-Mesa, AZ	49.0	58.7
Pittsburgh, PA	48.4	50.3
Portland-Salem, OR-WA	45.5	55.9
Raleigh-Durham, NC	43.3	47.0
Sacramento, CA	47.3	54.1
San Diego, CA	46.4	48.7
San Francisco, CA	54.9	56.5
San Jose, CA	49.9	47.9
Seattle-Tacoma, WA	51.3	55.1
Tampa-St. Pete., FL	46.8	50.5
Washington, DC	63.0	68.1
California metro average	54.1	57.2
United States metro average	49.3	56.5
Source: <i>Places Rated Almanac</i>		
Note: The afternoon commute is 20% longer than the morning commute.		
The 1999 average commute time is obtained by adjusting the 1990 Average Commute time to account for the increase in roadway congestion as estimated by the Texas Transportation Institute.		

Roadway Congestion Index

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	Change
Atlanta, GA	0.98	0.97	0.99	1.05	1.13	1.13	1.17	1.24	1.28	1.27	29.6%
Austin-San Marcos, TX	0.90	0.90	0.87	0.87	0.90	0.94	0.97	1.02	1.04	1.06	17.8%
Baltimore, MD	0.95	0.95	0.97	0.97	1.00	1.03	1.03	1.05	1.06	1.07	12.6%
Boston, MA-NH NECMA	1.09	1.09	1.11	1.17	1.19	1.21	1.22	1.25	1.27	1.28	17.4%
Denver-Boulder, CO	0.92	0.93	0.97	0.99	1.02	1.07	1.12	1.14	1.18	1.20	30.4%
Houston, TX	1.05	1.00	0.99	1.02	1.00	1.00	1.03	1.07	1.10	1.10	4.8%
Miami-Ft Lauderdale, FL	1.20	1.17	1.20	1.19	1.22	1.25	1.23	1.23	1.22	1.23	2.5%
Minneapolis-St. Paul, MN	0.89	0.91	0.93	0.98	1.04	1.06	1.08	1.13	1.18	1.20	34.8%
Norfolk-Va Beach VA	0.96	0.90	0.87	0.88	0.91	0.93	0.97	0.97	0.96	0.97	1.0%
Orange, CA	1.59	1.58	1.56	1.54	1.50	1.52	1.56	1.54	1.58	1.58	-0.6%
Phoenix-Mesa, AZ	1.01	1.03	1.06	1.05	1.04	1.08	1.14	1.12	1.16	1.21	19.8%
Pittsburgh, PA	0.75	0.75	0.74	0.74	0.74	0.76	0.76	0.76	0.78	0.78	4.0%
Portland-Salem, OR-WA	1.01	1.03	1.07	1.10	1.12	1.15	1.20	1.22	1.22	1.24	22.8%
Raleigh-Durham, NC	1.05	1.04	0.98	0.94	0.93	0.95	1.01	1.07	1.09	1.14	8.6%
Sacramento, CA	1.05	1.05	1.07	1.09	1.12	1.12	1.17	1.14	1.18	1.20	14.3%
San Diego, CA	1.19	1.18	1.18	1.16	1.16	1.16	1.16	1.15	1.19	1.25	5.0%
San Francisco, CA	1.35	1.32	1.32	1.33	1.31	1.34	1.35	1.36	1.37	1.39	3.0%
San Jose, CA	1.24	1.25	1.22	1.18	1.15	1.13	1.11	1.11	1.13	1.19	-4.0%
Seattle-Tacoma, WA	1.21	1.21	1.17	1.18	1.19	1.20	1.22	1.25	1.26	1.30	7.4%
Tampa-St. Pete., FL	1.02	1.07	1.09	1.11	1.11	1.11	1.09	1.08	1.08	1.10	7.8%
Washington, DC	1.24	1.23	1.28	1.31	1.34	1.32	1.32	1.33	1.35	1.34	8.1%
California	1.14	1.14	1.13	1.12	1.12	1.13	1.15	1.14	1.17	1.20	5.7%
United States	0.91	0.92	0.93	0.94	0.95	0.97	0.99	1.01	1.03	1.04	14.6%
Source:	Texas Transportation Institute, 2001 Mobility Study, Urban Mobility and Congestion Statistics.										
Notes:	The Roadway Congestion Index (RCI) is a ratio of daily traffic volume to the supply of roadway. The RCI compares the number of hours of daily roadway congestion in a particular area to a standard 7 hours per day of rush hour traffic (3.5 in the a.m. and 3.5 in the p.m.). If an area's RCI is close to 0.6, its roadways are generally congested in the mornings and evenings during peak hour travel, but not during other parts of the day. The roads of an area with an RCI value of 1.0 are generally congested for approximately 11 hours each day.										

Violent Crimes

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Atlanta, GA	28,908	28,623	29,157	29,800	27,715	27,469	27,126	26,591	26,668	23,560	
Austin-San Marcos, TX	4,412	4,046	4,602	4,853	5,047	5,692	5,226	5,005	4,341	4,341	4,574
Baltimore, MD	28,256	30,389	33,241	33,322	32,117	33,133	30,872	28,591	26,568		27,150
Boston, MA-NH NECMA	24,922	23,927	35,418	26,366	23,411	22,129	20,001	18,677	15,608	16,024	
Denver-Boulder, CO	11,845	13,248	13,825	13,857	12,764	10,042	9,801	8,674	10,178	6,701	8,036
Houston, TX	31,052	36,312	34,952		32,218	31,861	32,659	31,624	29,325	29,985	29,930
Miami-Ft Lauderdale, FL	57,292	55,336	53,947	56,799	52,843	50,687		47,359	29,787	36,993	37,577
Minneapolis-St.Paul, MN		11,729	12,432		13,294	13,301	12,854	12,642	11,285	10,402	10,549
Norfolk-Va Beach VA	8,095	9,019	9,488	9,915	8,907	8,865	7,910	8,049	7,184		
Orange, CA	12,799	13,967	13,555	13,456	14,002	13,117	12,002	11,203	9,497	8,791	8,600
Phoenix-Mesa, AZ	15,671	16,749	17,551	19,308	19,029	19,585	17,954	18,149	17,555	17,244	18,133
Pittsburgh, PA	8,688	8,878	9,944	9,535	9,265		7,306	7,448	7,351	7,324	7,925
Portland-Salem, OR-WA	10,750	11,326	12,540	12,562	13,007	13,348	12,124	12,012	11,012	10,064	9,568
Raleigh-Durham, NC	3,317	4,774	6,151	5,822	5,964	5,889	5,703	6,457	5,982	5,955	5,645
Sacramento, CA	10,641	12,810	11,876	12,325	13,018	12,996	11,284	11,220	10,083	9,206	8,441
San Diego, CA	21,213	24,653	25,200	22,959	23,361	21,018	18,954	18,006	16,594	14,300	13,746
San Francisco, CA	16,309	16,104	18,061	17,875	15,146	14,628	13,377	11,628	10,602	9,330	9,195
San Jose, CA	7,267	7,986	8,036	8,102	8,956	9,618	8,877	9,225	8,013	7,408	7,174
Seattle-Tacoma, WA	17,283	18,505	18,194	18,610	18,525	6,599	5,704	16,349	16,754	14,479	14,675
Tampa-St. Pete., FL		26,835	27,346	26,155	27,002	24,531		23,184	9,127	21,209	21,368
Washington, DC	30,762	31,156	33,374	33,935	31,608	32,142	30,607	26,023	24,379		22,799
California	311,051	331,122	345,624	336,381	318,395	305,154	274,996	257,582	229,883	207,879	210,531
USA	1,820,130	1,911,770	1,932,270	1,926,020	1,857,670	1,798,790	1,668,540	1,636,100	1,533,980	1,430,690	1,424,289
Source:	Federal Bureau of Investigation										
Notes:	Yolo data for 1991, 1994 and 1996 (not reported in FBI uniform crime report) are from CA Dept of Justice figures (identical to those reported in the FBI uniform crime report for reported years)										
	Boston data are reported for the Boston MSA.										

Property Crimes

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Atlanta, GA	216,327	212,351	216,813	215,165	212,335	218,167	238,396	210,657	208,921	195,367	
Austin-San Marcos, TX	65,299	65,676	66,916	64,831	52,964	53,738	54,570	55,204	48,915	50,637	51,324
Baltimore, MD	132,893	145,564	147,278	145,454	148,384	151,632	144,454	137,026	128,977		114,859
Boston, MA-NH NECMA	136,994	133,470	208,474	138,022	128,640	126,331	109,744	100,481	91,153	88,392	88,403
Denver-Boulder, CO	104,433	104,947	107,294	101,163	96,684	93,054	99,937	87,454	87,562	75,463	88,813
Houston, TX	249,440	239,874	204,999	192,173	174,948	177,803	186,385	181,626	174,316	176,332	180,631
Miami-Ft Lauderdale, FL	313,592	308,529	306,773	335,831	339,742	316,811		288,154	204,645	238,308	225,205
Minneapolis-St.Paul, MN		127,349	132,863	4,831	126,359	130,262	133,812	135,399	121,148	111,531	111,082
Norfolk-Va Beach VA	84,344	85,830	82,288	79,288	77,582	76,992	75,347	74,283	69,365		
Orange, CA	130,990	130,557	127,181	121,756	113,943	106,301	90,746	81,289	73,059	67,635	65,708
Phoenix-Mesa, AZ	168,599	160,844	157,150	167,076	186,388	205,923	189,802	200,460	187,949	171,226	182,661
Pittsburgh, PA	61,476	63,593	69,713	65,879	63,488		56,912	59,416	56,757	55,447	54,410
Portland-Salem, OR-WA	87,024	92,699	107,511	108,167	118,007	125,710	115,975	122,702	113,685	104,077	104,987
Raleigh-Durham, NC	38,865	44,489	51,917	49,765	52,286	53,276	55,001	57,306	54,909	57,753	56,989
Sacramento, CA	87,452	106,851	95,018	99,198	93,891	99,871	88,715	91,901	77,097	64,564	62,109
San Diego, CA	157,387	149,271	145,943	138,919	129,418	112,055	104,480	101,351	92,314	83,417	80,662
San Francisco, CA	93,216	95,063	99,134	92,147	84,092	81,875	76,460	71,645	65,173	60,471	58,441
San Jose, CA	62,257	69,023	65,908	63,552	59,222	56,812	54,619	51,139	47,372	40,670	37,079
Seattle-Tacoma, WA	172,537	178,213	172,078	175,736	176,929	9,111	49,626	185,104	188,366	172,960	166,130
Tampa-St. Pete., FL		148,621	143,847	136,690	146,448			122,976	76,352	123,892	118,889
Washington, DC	192,314	202,924	206,588	206,360	206,528	218,667	214,846	194,222	184,717		154,896
California	1,654,186	1,726,391	1,716,137	1,678,884	1,622,102	1,536,830	1,385,135	1,312,367	1,188,791	1,053,285	1,056,183
USA	12,655,500	12,961,100	12,505,900	12,218,800	12,131,900	12,063,900	11,805,300	11,558,500	10,951,800	10,204,500	10,181,462
Source:	Federal Bureau of Investigation										
Notes:	Yolo data for 1991, 1994 and 1996 (not reported in FBI uniform crime report) are from CA Dept of Justice figures (identical to those reported in the FBI uniform crime report for reported years)										
	Boston data are reported for the Boston MSA.										

Property Crimes Per 1,000 Population

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Atlanta, GA	72.6	69.6	69.2	66.7	63.8	63.6	67.5	58.0	55.8	50.7	
Austin-San Marcos, TX	76.8	75.1	74.3	69.6	54.9	53.7	52.7	51.7	44.3	44.2	41.1
Baltimore, MD	55.6	60.4	60.7	59.6	60.5	61.6	58.5	55.4	52.0		45.0
Boston, MA-NH NECMA	42.5	41.6	65.0	42.9	39.9	38.9	33.7	30.7	27.7	26.8	25.9
Denver-Boulder, CO	52.6	51.8	51.5	47.2	44.3	41.8	44.0	37.7	37.1	31.2	34.4
Houston, TX	74.6	69.9	58.3	53.7	48.0	48.1	49.5	47.3	44.4	44.0	43.2
Miami-Ft Lauderdale, FL	97.9	94.5	92.5	100.2	99.5	91.0		79.8	55.9	64.2	58.1
Minneapolis-St.Paul, MN		49.3	50.8	1.8	47.0	47.8	48.5	48.4	42.8	38.8	37.4
Norfolk-Va Beach VA	58.1	58.6	55.0	52.3	50.8	50.1	48.9	47.9	44.7		
Orange, CA	54.2	53.4	51.2	48.4	44.8	41.3	34.8	30.5	26.8	24.5	23.1
Phoenix-Mesa, AZ	75.1	69.9	66.4	68.3	73.1	77.4	68.9	70.5	64.1	56.8	56.2
Pittsburgh, PA	25.7	26.5	29.0	27.4	26.5		24.0	25.2	24.2	23.8	23.1
Portland-Salem, OR-WA	48.2	49.9	56.6	55.6	59.5	62.1	56.0	58.0	52.9	47.7	46.3
Raleigh-Durham, NC	45.0	50.2	57.1	53.2	54.3	53.7	53.8	54.5	50.9	52.2	48.0
Sacramento, CA	57.5	68.4	60.0	62.1	58.4	61.3	53.6	54.7	45.2	37.1	34.6
San Diego, CA	62.6	58.4	56.1	53.2	49.3	42.4	39.1	37.2	33.4	29.6	28.7
San Francisco, CA	58.1	59.0	61.1	56.5	51.4	49.9	46.3	42.9	38.7	35.9	33.8
San Jose, CA	41.6	45.8	43.2	41.3	38.2	36.3	34.3	31.5	28.9	24.7	22.0
Seattle-Tacoma, WA	57.6	58.4	55.0	55.3	55.1	2.8	15.0	55.0	55.0	49.9	46.7
Tampa-St. Pete., FL		70.8	68.1	64.1	68.0			55.3	33.9	54.4	49.6
Washington, DC	45.4	47.3	47.6	46.9	46.4	48.7	47.3	42.2	39.6		31.5
California	55.2	56.8	55.6	53.9	51.8	48.8	43.6	40.7	36.4	31.8	31.2
USA	50.7	51.4	49.0	47.4	46.6	45.9	44.5	43.2	40.5	37.4	36.2

Capital Outlays in thousands of Nominal Dollars - Environment Element

Metropolitan Regions	Sewerage				Solid Waste Management				Water Utilities			
	1982	1987	1992	1997	1982	1987	1992	1997	1982	1987	1992	1997
Atlanta, GA	28,753	68,647	104,426	166,836	4,605	8,763	7,026	21,943	77,616	102,869	115,701	289,389
Austin-San Marcos, TX	32,181	118,322	32,175	13,964	686	1,610	377	391	26,430	106,306	38,722	37,573
Baltimore, MD	53,359	126,997	112,218	107,378	3,675	6,104	8,973	13,924	29,787	22,738	5,151	14,231
Boston, MA-NH NECMA	103,927	148,979	130,525	224,460	9,319	11,677	15,559	30,878	41,565	55,599	98,091	152,096
Denver-Boulder, CO	40,019	44,599	20,405	58,930	354	1,681	195	1,076	68,411	160,244	58,656	121,561
Houston, TX	149,453	285,065	143,444	299,360	5,351	4,894	3,275	8,068	79,796	321,884	173,750	341,845
Miami-Ft Lauderdale, FL	5,881	3,155	107,807	185,222	969	16,441	27,214	39,137	54,223	69,503	116,425	91,410
Minneapolis-St.Paul, MN	98,809	78,129	102,324	75,949	2,956	1,331	7,234	78,770	37,682	46,009	71,879	56,651
Norfolk-Va Beach, VA	64,790	29,821	37,695	50,460	5,779	40,714	2,780	6,806	23,287	43,335	27,353	131,678
Orange, CA	52,573	4,158	62,167	132,822	1,901	4,484	361	23,434	26,520	147,771	167,386	90,948
Phoenix-Mesa, AZ	97,790	74,868	114,437	106,420	8,861	11,875	9,600	30,777	40,377	115,297	55,994	134,752
Pittsburgh, PA	28,285	24,627	42,211	72,702	484	574	4,081	8,482	19,046	53,479	60,151	52,328
Portland-Salem, OR-WA	12,589	21,531	148,694	190,743	3,886	2,185	2,815	810	27,669	17,448	34,738	87,090
Raleigh-Durham, NC	6,011	5,308	876	5,985	2,074	4,146	3,109	15,849	23,806	42,517	41,819	85,569
Sacramento, CA	65,440	37,731	63,318	88,296	712	5,019	10,276	12,356	16,236	40,397	40,998	57,895
San Diego, CA	90,999	62,347	173,319	327,857	608	1,922	6,910	7,187	64,662	85,514	237,353	223,055
San Francisco, CA	25,346	13,831	30,776	113,544	93	789	2,898	6,616	14,895	17,979	23,738	68,094
San Jose, CA	20,420	21,096	31,060	40,601	1,104	1,707	1,650	3,723	14,299	57,772	27,828	50,638
Seattle-Tacoma, WA	60,997	226,977	223,298	168,846	4,029	18,952	70,632	19,783	33,680	33,336	108,374	132,317
Tampa-St. Pete., FL	44,663	36,935	61,240	171	38,715	122,107	46,781	183	77,710	85,217	144,572	339
Washington, DC	86,339	117,708	84,374	137,283	24,910	12,091	13,331	14,880	107,948	74,310	69,214	126,871
California	589,792	666,917	1,286,983	1,648,118	19,802	57,914	113,778	130,514	494,491	1,128,628	1,952,071	2,437,080
United States	4,901,600	6,166,959	8,718,989	9,115,723	476,576	753,932	1,390,274	1,636,147	3,382,961	5,645,111	7,539,602	8,691,592
Source:	U.S. Census Bureau, "Finances of Special District Governments"											
Notes:	All blank spaces indicate that there were no capital outlays for that area in that year.											
	The California total represents the sum of all local government expenditures in the state of California											
	The United States total represents the sum of all local government expenditures in the United States											
	Regional values do not include direct investments by Federal or State governments.											

Capital Outlays in thousands of Constant 2000 Dollars - Environment Element

Metropolitan Regions	Sewerage				Solid Waste Management				Water Utilities			
	1982	1987	1992	1997	1982	1987	1992	1997	1982	1987	1992	1997
Atlanta, GA	49,938	95,445	122,457	175,386	7,998	12,184	8,239	23,068	134,802	143,026	135,679	304,220
Austin-San Marcos, TX	55,633	166,957	37,355	14,602	1,186	2,272	438	409	45,691	150,002	44,956	39,290
Baltimore, MD	96,511	182,545	134,340	113,656	6,647	8,774	10,742	14,738	53,876	32,683	6,166	15,063
Boston, MA-NH NECMA	176,016	206,098	152,140	235,540	15,783	16,154	18,136	32,402	70,397	76,916	114,335	159,604
Denver-Boulder, CO	67,933	62,312	24,082	62,276	601	2,349	230	1,137	116,129	223,885	69,226	128,464
Houston, TX	216,297	400,002	172,177	320,932	7,744	6,867	3,931	8,649	115,485	451,666	208,554	366,479
Miami-Ft Lauderdale, FL	10,348	4,411	126,728	194,699	1,705	22,988	31,990	41,140	95,412	97,178	136,859	96,087
Minneapolis-St.Paul, MN	166,095	108,178	119,431	79,543	4,969	1,843	8,443	82,498	63,342	63,704	83,896	59,332
Norfolk-Va Beach, VA	119,509	42,926	44,647	53,598	10,660	58,605	3,293	7,229	42,954	62,378	32,397	139,868
Orange, CA	86,750	5,695	71,606	138,541	3,137	6,141	416	24,443	43,760	202,394	192,800	94,864
Phoenix-Mesa, AZ	164,523	101,031	130,384	110,657	14,908	16,025	10,938	32,002	67,931	155,587	63,797	140,117
Pittsburgh, PA	48,280	34,830	49,822	76,610	826	812	4,817	8,938	32,510	75,636	70,996	55,141
Portland-Salem, OR-WA	20,850	28,746	166,717	194,953	6,436	2,917	3,156	828	45,826	23,295	38,949	89,012
Raleigh-Durham, NC	10,953	7,618	1,029	6,347	3,779	5,950	3,650	16,808	43,376	61,016	49,100	90,748
Sacramento, CA	117,879	53,678	75,106	93,074	1,283	7,140	12,189	13,025	29,246	57,470	48,631	61,028
San Diego, CA	158,153	87,286	202,718	344,247	1,057	2,691	8,082	7,546	112,380	119,721	277,614	234,206
San Francisco, CA	45,553	19,645	36,438	119,648	167	1,121	3,431	6,972	26,770	25,537	28,105	71,755
San Jose, CA	32,412	28,204	34,919	42,189	1,752	2,282	1,855	3,869	22,696	77,236	31,285	52,618
Seattle-Tacoma, WA	108,355	323,024	264,813	178,089	7,157	26,972	83,764	20,866	59,829	47,442	128,523	139,561
Tampa-St. Pete., FL	79,181	52,264	72,576	181	68,636	172,786	55,440	193	137,768	120,585	171,333	358
Washington, DC	169,856	175,893	103,057	146,678	49,006	18,068	16,283	15,898	212,367	111,043	84,540	135,554
California	980,357	917,010	1,489,219	1,723,075	32,915	79,632	131,657	136,450	821,947	1,551,862	2,258,818	2,547,919
United States	7,910,081	8,499,361	10,149,913	9,560,068	769,087	1,039,076	1,618,440	1,715,901	5,459,339	7,780,145	8,776,970	9,115,263
Source:	U.S. Census Bureau, "Finances of Special District Governments"											
Notes:	All blank spaces indicate that there were no capital outlays for that area in that year.											
	The California total represents the sum of all local government expenditures in the state of California											
	The United States total represents the sum of all local government expenditures in the United States											
	Regional values do not include direct investments by Federal or State governments.											

Capital Outlays Per Capita in Constant 2000 Dollars - Environment Element

Metropolitan Regions	Sewerage				Solid Waste Management				Water Utilities			
	1982	1987	1992	1997	1982	1987	1992	1997	1982	1987	1992	1997
Atlanta, GA	22.2	35.9	39.1	48.3	3.6	4.6	2.6	6.4	59.9	53.9	43.3	83.8
Austin-San Marcos, TX	95.6	223.8	41.5	13.7	2.0	3.0	0.5	0.4	78.5	201.1	49.9	36.8
Baltimore, MD	43.6	79.0	55.3	45.9	3.0	3.8	4.4	6.0	24.3	14.1	2.5	6.1
Boston, MA-NH NECMA	44.2	50.4	28.0	42.1	4.0	3.9	3.3	5.8	17.7	18.8	21.0	28.5
Denver-Boulder, CO	44.6	38.0	11.6	26.9	0.4	1.4	0.1	0.5	76.3	136.5	33.2	55.4
Houston, TX	62.2	110.4	49.0	83.5	2.2	1.9	1.1	2.3	33.2	124.7	59.3	95.4
Miami-Ft Lauderdale, FL	3.7	1.5	38.2	53.9	0.6	7.8	9.7	11.4	34.3	32.9	41.3	26.6
Minneapolis-St.Paul, MN	75.8	46.3	45.6	28.5	2.3	0.8	3.2	29.5	28.9	27.3	32.1	21.2
Norfolk-Va Beach, VA	99.3	31.8	29.8	34.6	8.9	43.4	2.2	4.7	35.7	46.2	21.7	90.3
Orange, CA	42.4	2.5	28.8	52.0	1.5	2.7	0.2	9.2	21.4	89.2	77.6	35.6
Phoenix-Mesa, AZ	102.3	51.1	55.1	38.9	9.3	8.1	4.6	11.3	42.2	78.7	27.0	49.3
Pittsburgh, PA	20.1	15.2	20.7	32.5	0.3	0.4	2.0	3.8	13.5	33.0	29.5	23.4
Portland-Salem, OR-WA	15.7	20.8	87.8	92.2	4.8	2.1	1.7	0.4	34.4	16.8	20.5	42.1
Raleigh-Durham, NC	18.9	11.5	1.1	6.0	6.5	8.9	4.0	16.0	74.9	91.8	54.0	86.4
Sacramento, CA	100.7	40.1	47.4	55.4	1.1	5.3	7.7	7.8	25.0	43.0	30.7	36.3
San Diego, CA	80.0	38.2	77.9	126.5	0.5	1.2	3.1	2.8	56.8	52.4	106.7	86.0
San Francisco, CA	30.1	12.4	22.5	71.6	0.1	0.7	2.1	4.2	17.7	16.1	17.3	42.9
San Jose, CA	24.3	20.0	22.9	26.0	1.3	1.6	1.2	2.4	17.0	54.7	20.5	32.4
Seattle-Tacoma, WA	49.8	137.4	84.7	52.9	3.3	11.5	26.8	6.2	27.5	20.2	41.1	41.4
Tampa-St. Pete., FL	46.1	26.7	34.3	0.1	39.9	88.3	26.2	0.1	80.1	61.6	81.1	0.2
Washington, DC	50.8	48.1	23.7	31.9	14.7	4.9	3.7	3.5	63.5	30.4	19.5	29.5
California	39.5	33.0	48.2	53.5	1.3	2.9	4.3	4.2	33.1	55.9	73.2	79.1
United States	34.1	35.1	39.8	35.7	3.3	4.3	6.3	6.4	23.6	32.1	34.4	34.0
Source:	U.S. Census Bureau, "Finances of Special District Governments"											
Notes:	All blank spaces indicate that there were no capital outlays for that area in that year.											
	The California total represents the sum of all local government expenditures in the state of California											
	The United States total represents the sum of all local government expenditures in the United States											
	Regional values do not include direct investments by Federal or State governments.											