

ENVIRONMENT ELEMENT		
Lower Score is Higher Ranking		
Composed of Air Quality, Water Quality and Capital Facilities Investment (Capital Outlays per Capita on Sewerage, Solid Waste Management and Water Utilities)		
2000		
Metropolitan Regions	Score	Rank
Atlanta, GA	37	15
Austin-San Marcos, TX	17	1
Baltimore, MD	44	20
Boston, MA-NH NECMA	47	22
Denver-Boulder, CO	20	2
Houston, TX	40	19
Miami-Ft Lauderdale, FL	31	9
Minneapolis-St.Paul, MN	34	11
Norfolk-Va Beach VA	26	6
Orange, CA	34	11
Phoenix-Mesa, AZ	26	6
Pittsburgh, PA	38	16
Portland-Salem, OR-WA	25	5
Raleigh-Durham, NC	32	10
Sacramento, CA	35	14
San Diego, CA	21	3
San Francisco, CA	21	3
San Jose, CA	38	16
Seattle-Tacoma, WA	27	8
Tampa-St. Pete., FL	34	11
Washington, DC	45	21
United States	39	18
Element Weighting Scheme:		
The rank ordering of Air Quality Index = 33.3%		
The rank ordering of Water Quality = 33.3%		
The rank ordering of Capital Facilities Investment = 33.3%		
The Environment Element accounts for one fourth of the score of the Sustainable Competitiveness Index		
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AIR QUALITY INDEX

Number of Days Not Meeting 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	-
Minneapolis-St.Paul, MN	4	2	1	0	2	5	0	0	1	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	-
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	-
San Jose, CA	7	11	3	4	2	10	7	0	5	2	-
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 Metro Average	42	32	31	21	20	22	18	6	14	11	9
United States Metro Average	22	19	15	16.6	13	17	11	12	19	17	9
Source:	United States Environmental Protection Agency										

Environment Element Capital Facilities Investment

Environment Element Capital Facilities Investment											
	Governmental Capital Outlays on Water Utilities in millions of Constant 2000 Dollars						Total Capital Sewer Solid W. Water Ut	Popul- ation Year 2000 millions	Capital Outlays Per Capita		Rank Order
Metropolitan Regions	1982	1987	1992	1997	4 Years Sum	15 Year Average					
Atlanta, GA	134.8	143.0	135.7	304.2	717.7	47.8	80.8	4.11	19.66	10	
Austin-San Marcos, TX	45.7	150.0	45.0	39.3	279.9	18.7	37.3	1.25	29.81	3	
Baltimore, MD	53.9	32.7	6.2	15.1	107.8	7.2	45.0	2.55	17.65	14	
Boston, MA-NH NECMA	70.4	76.9	114.3	159.6	421.3	28.1	84.9	5.82	14.59	20	
Denver-Boulder, CO	116.1	223.9	69.2	128.5	537.7	35.8	50.6	2.58	19.59	11	
Houston, TX	115.5	451.7	208.6	366.5	1,142.2	76.1	151.9	4.18	36.36	2	
Miami-Ft Lauderdale, FL	95.4	97.2	136.9	96.1	425.5	28.4	57.3	3.88	14.78	19	
Minneapolis-St.Paul, MN	63.3	63.7	83.9	59.3	270	18.0	56.1	2.97	18.89	12	
Norfolk-Va Beach VA	43.0	62.4	32.4	139.9	277.6	18.5	41.2	1.57	26.25	4	
Orange, CA	43.8	202.4	192.8	94.9	533.8	35.6	58.0	2.85	20.39	9	
Phoenix-Mesa, AZ	67.9	155.6	63.8	140.1	427.4	28.5	67.2	3.25	20.66	8	
Pittsburgh, PA	32.5	75.6	71.0	55.1	234.3	15.6	30.6	2.36	12.98	22	
Portland-Salem, OR-WA	45.8	23.3	38.9	89.0	197.1	13.1	41.4	2.27	18.30	13	
Raleigh-Durham, NC	43.4	61.0	49.1	90.7	244.2	16.3	20.0	1.19	16.86	16	
Sacramento, CA	29.2	57.5	48.6	61.0	196.4	13.1	38.0	1.80	21.14	7	
San Diego, CA	112.4	119.7	277.6	234.2	743.9	49.6	103.7	2.81	36.86	1	
San Francisco, CA	26.8	25.5	28.1	71.8	152.2	10.1	25.7	1.73	14.83	18	
San Jose, CA	22.7	77.2	31.3	52.6	183.8	12.3	22.1	1.68	13.13	21	
Seattle-Tacoma, WA	59.8	47.4	128.5	139.6	375.4	25.0	92.6	3.55	26.04	5	
Tampa-St. Pete., FL	137.8	120.6	171.3	0.4	430.0	28.7	62.1	2.40	25.91	6	
Washington, DC	212.4	111.0	84.5	135.6	543.5	36.2	82.5	4.92	16.77	17	
California	821.9	1,551.9	2,258.8	2,547.9	7,181	479	844.7	33.87	24.94		
United States	5,459.3	7,780.1	8,777.0	9,115.3	31,132	2,075	4,826	281.4	17.15	15	
Source:	U.S. Census Bureau, "Finances of Special District Governments"										

Environment Element Capital Facilities Investment

	Governmental Capital Outlays on Sewerage in millions of Constant 2000 Dollars						Governmental Capital Outlays on Solid Waste Mgt in millions of Constant 2000 Dollars					
					4 Years Sum	15 Year Average					4 Years Sum	15 Year Average
Metropolitan Regions	1982	1987	1992	1997			1982	1987	1992	1997		
Atlanta, GA	49.9	95.4	122.5	175.4	443.2	29.5	8.0	12.2	8.2	23.1	51.5	3.4
Austin-San Marcos, TX	55.6	167.0	37.4	14.6	274.5	18.3	1.2	2.3	0.4	0.4	4.3	0.3
Baltimore, MD	96.5	182.5	134.3	113.7	527.1	35.1	6.6	8.8	10.7	14.7	40.9	2.7
Boston, MA-NH NECMA	176.0	206.1	152.1	235.5	769.8	51.3	15.8	16.2	18.1	32.4	82.5	5.5
Denver-Boulder, CO	67.9	62.3	24.1	62.3	216.6	14.4	0.6	2.3	0.2	1.1	4.3	0.3
Houston, TX	216.3	400.0	172.2	320.9	1,109.4	74.0	7.7	6.9	3.9	8.6	27.2	1.8
Miami-Ft Lauderdale, FL	10.3	4.4	126.7	194.7	336.2	22.4	1.7	23.0	32.0	41.1	97.8	6.5
Minneapolis-St.Paul, MN	166.1	108.2	119.4	79.5	473.2	31.5	5.0	1.8	8.4	82.5	97.8	6.5
Norfolk-Va Beach VA	119.5	42.9	44.6	53.6	260.7	17.4	10.7	58.6	3.3	7.2	79.8	5.3
Orange, CA	86.7	5.7	71.6	138.5	302.6	20.2	3.1	6.1	0.4	24.4	34.1	2.3
Phoenix-Mesa, AZ	164.5	101.0	130.4	110.7	506.6	33.8	14.9	16.0	10.9	32.0	73.9	4.9
Pittsburgh, PA	48.3	34.8	49.8	76.6	209.5	14.0	0.8	0.8	4.8	8.9	15.4	1.0
Portland-Salem, OR-WA	20.9	28.7	166.7	195.0	411.3	27.4	6.4	2.9	3.2	0.8	13.3	0.9
Raleigh-Durham, NC	11.0	7.6	1.0	6.3	25.9	1.7	3.8	5.9	3.7	16.8	30.2	2.0
Sacramento, CA	117.9	53.7	75.1	93.1	339.7	22.6	1.3	7.1	12.2	13.0	33.6	2.2
San Diego, CA	158.2	87.3	202.7	344.2	792.4	52.8	1.1	2.7	8.1	7.5	19.4	1.3
San Francisco, CA	45.6	19.6	36.4	119.6	221.3	14.8	0.2	1.1	3.4	7.0	11.7	0.8
San Jose, CA	32.4	28.2	34.9	42.2	137.7	9.2	1.8	2.3	1.9	3.9	9.8	0.7
Seattle-Tacoma, WA	108.4	323.0	264.8	178.1	874.3	58.3	7.2	27.0	83.8	20.9	138.8	9.3
Tampa-St. Pete., FL	79.2	52.3	72.6	0.2	204.2	13.6	68.6	172.8	55.4	0.2	297.1	19.8
Washington, DC	169.9	175.9	103.1	146.7	595.5	39.7	49.0	18.1	16.3	15.9	99.3	6.6
California	980	917	1,489	1,723	5,110	340.6	32.9	79.6	131.7	136.4	381	25.4
United States	7,910	8,499	10,150	9,560	36,119	2,408.0	769.1	1,039.1	1,618.4	1,715.9	5,143	342.8
Source:	U.S. Census Bureau, "Finances of Special District Governments"											