

ECONOMIC ELEMENT		
Lower Score is Higher Ranking		
Composed of Standard of Living, Business Investment Share of GMP, Capital Facilities Investment (Capital Outlays per capita on Airport, Sea and Inland Ports and Highways), Innovation and Educational Attainment		
2000		
Metropolitan Regions	Score	Rank
Atlanta, GA	67	15
Austin-San Marcos, TX	40	6
Baltimore, MD	65	14
Boston, MA-NH NECMA	47	8
Denver-Boulder, CO	37	5
Houston, TX	63	12
Miami-Ft Lauderdale, FL	88	21
Minneapolis-St. Paul, MN	35	4
Norfolk-Va Beach VA	97	22
Orange, CA	64	13
Phoenix-Mesa, AZ	75	17
Pittsburgh, PA	67	15
Portland-Salem, OR-WA	60	11
Raleigh-Durham, NC	49	9
Sacramento, CA	85	19
San Diego, CA	57	10
San Francisco, CA	11	1
San Jose, CA	18	2
Seattle-Tacoma, WA	26	3
Tampa-St. Pete., FL	86	20
Washington, DC	44	7
United States	81	18
Element Weighting Scheme:		
The rank ordering of the Standard of Living = 20%		
The rank ordering of Business Investment in GMP = 20%		
The rank ordering of Capital Facilities Investment = 20%		
The rank ordering of Innovation = 20%		
The rank ordering of Educational Attainment = 20%		
The Economic Element accounts for one fourth of the score of the Sustainable Competitiveness Index		
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The Standard of Living: Real Per Capita Personal Income in Constant 2000 Dollars

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Actual									Forecast	
Atlanta, GA	26,992	26,788	27,838	28,055	28,738	29,409	30,210	31,136	32,380	33,358	33,933
Austin-San Marcos, TX	23,378	23,372	24,013	24,293	24,969	25,706	26,156	27,934	30,903	32,423	33,439
Baltimore, MD	27,673	27,320	27,514	27,617	27,973	28,495	28,731	30,058	31,267	32,294	32,774
Boston, MA-NH NECMA	31,571	30,836	31,594	31,699	32,725	33,441	34,304	35,319	36,859	38,265	39,387
Denver-Boulder, CO	31,236	31,431	31,567	31,976	32,029	32,728	33,353	34,535	36,097	37,150	38,343
Houston, TX	26,171	26,528	27,074	27,043	26,968	28,198	29,203	30,920	32,750	33,635	34,165
Miami-Ft Lauderdale, FL	26,448	25,865	24,843	26,254	25,983	26,174	26,251	26,139	26,911	27,343	27,506
Minneapolis-St.Paul, MN	30,461	30,515	31,169	31,065	31,735	32,587	33,323	34,526	36,226	36,819	37,423
Norfolk-Va Beach VA	23,489	23,416	23,687	23,553	23,655	23,512	23,997	24,447	25,281	25,790	26,089
Orange, CA	32,077	31,019	30,997	30,040	30,200	30,755	31,492	32,787	34,443	35,806	37,292
Phoenix-Mesa, AZ	24,639	23,954	23,815	23,840	24,738	25,533	26,199	27,189	28,244	28,613	28,950
Pittsburgh, PA	27,247	27,538	28,000	28,094	28,020	28,786	29,636	31,198	32,901	33,533	34,165
Portland-Salem, OR-WA	28,135	27,652	27,571	27,904	28,456	29,348	29,793	30,453	31,289	31,626	32,572
Raleigh-Durham, NC	26,904	26,711	27,770	28,223	28,536	28,895	29,299	30,707	32,177	32,749	33,486
Sacramento, CA	26,761	26,114	26,203	25,778	26,451	27,241	27,290	27,963	29,084	30,018	30,852
San Diego, CA	27,703	27,257	27,289	27,076	27,018	27,525	28,086	29,045	30,280	30,936	31,357
San Francisco, CA	42,606	41,880	41,777	41,649	42,386	44,573	46,765	47,819	49,340	50,358	52,348
San Jose, CA	35,396	35,151	36,388	35,632	36,423	38,789	40,493	42,494	44,565	45,955	48,602
Seattle-Tacoma, WA	33,616	33,473	34,134	33,728	33,909	34,352	35,484	36,925	39,173	40,842	41,510
Tampa-St. Pete., FL	24,524	24,098	24,493	24,609	24,997	25,929	26,909	28,106	28,855	29,380	29,721
Washington, DC	33,766	33,442	33,965	34,264	34,866	35,675	35,305	36,672	38,325	39,607	40,620
California	28,960	27,981	27,950	27,398	27,406	27,856	28,294	28,925	30,014	30,905	32,142
United States	25,370	25,086	25,426	25,301	25,534	26,303	26,537	27,252	28,303	28,951	29,501
Source:	Nominal per capita income: DRI; Bureau of Economic Analysis; U.S. Census Bureau; Bureau of Labor Statistics										
	Consumer Price Index: Bureau of Labor Statistics										
Note:	Nominal dollar income data are deflated using the CPI with 2000 as the base year.										

Venture Capital Share of Gross Metropolitan Product [GMP]

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Atlanta, GA	0.04%	0.06%	0.16%	0.24%	0.09%	0.08%	0.19%	0.33%	0.36%	0.78%	1.47%
Austin-San Marcos, TX	0.23%	0.15%	0.25%	0.06%	0.07%	0.25%	0.29%	0.57%	0.82%	2.49%	5.04%
Baltimore, MD	0.06%	0.04%	0.02%	0.02%	0.04%	0.07%	0.05%	0.21%	0.30%	0.89%	1.09%
Boston, MA-NH NECMA	0.25%	0.18%	0.46%	0.23%	0.28%	0.25%	0.53%	1.06%	1.04%	2.13%	3.92%
Denver-Boulder, CO	0.21%	0.11%	0.26%	0.28%	0.30%	0.20%	0.45%	0.47%	0.84%	2.39%	4.84%
Houston, TX	0.04%	0.01%	0.02%	0.04%	0.05%	0.01%	0.04%	0.16%	0.19%	0.32%	0.38%
Miami-Ft Lauderdale, FL	0.03%	0.04%	0.05%	0.08%	0.08%	0.03%	0.14%	0.23%	0.10%	0.55%	0.86%
Minneapolis-St.Paul, MN	0.12%	0.06%	0.08%	0.05%	0.06%	0.18%	0.12%	0.23%	0.53%	0.31%	0.63%
Norfolk-Va Beach VA	0.03%	0.00%	0.00%	0.01%	0.03%	0.01%	0.05%	0.01%	0.15%	0.04%	0.01%
Orange, CA	0.13%	0.12%	0.10%	0.10%	0.13%	0.24%	0.25%	0.34%	0.43%	0.94%	1.10%
Phoenix-Mesa, AZ	0.11%	0.10%	0.20%	0.06%	0.05%	0.10%	0.15%	0.18%	0.12%	0.15%	0.49%
Pittsburgh, PA	0.09%	0.01%	0.03%	0.01%	0.08%	0.02%	0.02%	0.07%	0.15%	0.31%	0.73%
Portland-Salem, OR-WA	0.05%	0.10%	0.13%	0.05%	0.05%	0.05%	0.12%	0.15%	0.08%	0.72%	1.47%
Raleigh-Durham, NC	0.11%	0.07%	0.22%	0.05%	0.08%	0.12%	0.62%	0.46%	0.59%	1.41%	2.18%
Sacramento, CA	0.06%	0.02%	0.04%	0.04%	0.02%	0.04%	0.02%	0.03%	0.12%	0.14%	0.20%
San Diego, CA	0.24%	0.19%	0.19%	0.71%	0.35%	0.33%	1.03%	0.58%	0.61%	1.61%	2.09%
San Francisco, CA	0.44%	0.39%	0.53%	1.76%	0.59%	1.08%	1.86%	2.12%	2.80%	9.86%	15.17%
San Jose, CA	0.75%	0.67%	0.96%	0.75%	0.92%	1.13%	2.48%	3.06%	3.30%	8.05%	14.87%
Seattle-Tacoma, WA	0.09%	0.06%	0.10%	0.10%	0.24%	0.34%	0.41%	0.42%	0.58%	1.89%	2.43%
Tampa-St. Pete., FL	0.04%	0.01%	0.00%	0.00%	0.06%	0.04%	0.04%	0.07%	0.12%	0.22%	0.44%
Washington, DC	0.04%	0.02%	0.05%	0.04%	0.03%	0.06%	0.18%	0.21%	0.33%	1.07%	1.75%
California	0.2%	0.1%	0.2%	0.3%	0.2%	0.3%	0.5%	0.6%	0.7%	2.0%	3.2%
United States	0.1%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.3%	0.6%	1.0%
Note:	Venture Capital raised is divided by the region's GMP to estimate the relative importance of the VC dollars raised.										

Economic Element Capital Facilities Investment

Economic Element Capital Facilities Investment										
Governmental Capital Outlays on Highways in millions of Constant 2000 Dollars							Total Capital Outlays Air, Hwy Sea	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	29.4	47.2	122.1	235.6	434.3	29.0	54.7	4.11	13.3	18
Austin-San Marcos, TX	18.9	102.6	48.2	38.0	207.7	13.8	17.6	1.25	14.1	15
Baltimore, MD	444.3	184.4	173.1	131.3	933.1	62.2	62.4	2.55	24.4	3
Boston, MA-NH NECMA	41.8	108.0	88.7	153.7	392.1	26.1	27.5	5.82	4.7	22
Denver-Boulder, CO	60.2	117.0	71.4	260.1	508.6	33.9	39.7	2.58	15.4	13
Houston, TX	158.3	422.2	146.1	157.9	884.5	59.0	89.3	4.18	21.4	5
Miami-Ft Lauderdale, FL	77.6	47.1	108.3	95.1	328.1	21.9	70.4	3.88	18.2	10
Minneapolis-St.Paul, MN	193.7	217.5	348.0	350.4	1,109	74.0	101.4	2.97	34.2	1
Norfolk-Va Beach VA	56.3	65.6	52.0	41.8	215.7	14.4	15.6	1.57	9.9	21
Orange, CA	86.2	104.2	141.7	166.9	499.0	33.3	35.8	2.85	12.6	19
Phoenix-Mesa, AZ	108.5	295.1	205.6	123.7	732.8	48.9	63.4	3.25	19.5	9
Pittsburgh, PA	76.8	64.6	74.6	86.1	302.1	20.1	46.4	2.36	19.7	8
Portland-Salem, OR-WA	60.8	41.1	67.2	103.8	272.9	18.2	39.9	2.27	17.6	11
Raleigh-Durham, NC	5.8	22.9	30.5	25.1	84.3	5.6	14.0	1.19	11.8	20
Sacramento, CA	20.4	48.7	109.8	102.0	281.0	18.7	24.2	1.80	13.5	16
San Diego, CA	53.3	92.7	120.5	148.3	414.7	27.6	41.9	2.81	14.9	14
San Francisco, CA	31.2	54.5	52.3	90.7	228.7	15.2	42.0	1.73	24.2	4
San Jose, CA	88.5	90.0	79.0	91.4	348.9	23.3	27.6	1.68	16.4	12
Seattle-Tacoma, WA	121.0	99.5	144.2	316.4	681.1	45.4	96.2	3.55	27.1	2
Tampa-St. Pete., FL	52.7	99.5	181.2	116.3	449.8	30.0	47.3	2.40	19.7	7
Washington, DC	154.8	307.1	230.2	281.5	973.5	64.9	101.5	4.92	20.6	6
California	781	986	1,319	1,341	4,427	295	461.8	33.87	13.6	
United States	7,026	8,941	10,947	12,832	39,746	2,650	3,768	281.42	13.4	17
Source:	U.S. Census Bureau, "Finances of Special District Governments"									

Economic Element Capital Facilities Investment

Economic Element Capital Facilities Investment												
Governmental Capital Outlays on Air Transport in millions of Constant 2000 Dollars							Governmental Capital Outlays on Sea & Inland Ports in millions of Constant 2000 Dollars					
Metropolitan Regions	1982	1987	1992	1997	4 Years	15 Year	1982	1987	1992	1997	4 Years	15 Year
					Sum	Average					Sum	Average
Atlanta, GA	86.1	67.8	96.5	135.7	386.2	25.7	-	-	-	-	-	-
Austin-San Marcos, TX	5.2	9.3	10.9	30.7	56.1	3.7	-	-	-	-	-	-
Baltimore, MD	0.2	-	2.1	-	2.3	0.2	-	-	0.0	-	0.0	0.0
Boston, MA-NH NECMA	2.0	7.0	7.6	2.4	19.0	1.3	0.0	0.1	0.6	0.6	1.3	0.1
Denver-Boulder, CO	1.4	11.3	10.5	62.9	86.2	5.7	-	-	-	0.1	0.1	0.0
Houston, TX	101.9	100.3	61.3	52.7	316.2	21.1	72.0	9.1	38.8	18.9	138.8	9.3
Miami-Ft Lauderdale, FL	23.4	64.5	151.8	283.5	523.3	34.9	12.2	51.8	79.9	60.6	204.5	13.6
Minneapolis-St.Paul, MN	48.4	45.8	59.1	142.5	295.9	19.7	56.1	59.8	0.0	0.2	116.1	7.7
Norfolk-Va Beach VA	9.2	8.1	0.3	0.7	18.4	1.2	-	-	-	-	-	-
Orange, CA	3.0	25.4	0.4	9.5	38.3	2.6	-	0.0	0.0	-	0.0	0.0
Phoenix-Mesa, AZ	38.8	45.1	57.4	77.4	218.7	14.6	-	-	-	-	-	-
Pittsburgh, PA	23.3	10.2	309.9	51.0	394.4	26.3	-	-	-	-	-	-
Portland-Salem, OR-WA	5.5	14.8	61.4	97.8	179.6	12.0	66.8	55.2	10.3	13.4	145.8	9.7
Raleigh-Durham, NC	13.8	91.4	11.7	8.6	125.4	8.4	-	-	-	-	-	-
Sacramento, CA	3.8	11.6	5.0	36.2	56.6	3.8	13.9	3.0	2.9	5.5	25.3	1.7
San Diego, CA	11.8	1.3	20.6	106.3	140.0	9.3	7.5	30.6	7.8	27.7	73.7	4.9
San Francisco, CA	0.9	0.0	1.3	369.5	371.8	24.8	6.4	1.8	2.2	18.9	29.2	1.9
San Jose, CA	9.0	20.7	16.5	18.8	65.1	4.3	-	-	-	-	-	-
Seattle-Tacoma, WA	30.9	28.8	138.9	79.8	278.4	18.6	37.2	99.4	123.5	223.7	483.9	32.3
Tampa-St. Pete., FL	37.8	8.6	99.0	52.6	198.1	13.2	15.8	13.1	10.1	22.8	61.8	4.1
Washington, DC	0.4	0.0	154.6	393.2	548.3	36.6	-	-	-	-	-	-
California	182	172	242	810	1,406	93.7	185	212	153	544	1,094	72.9
United States	1,650	2,572	4,743	4,647	13,612	907.5	590	713	700	1,161	3,164	210.9

Source: U.S. Census Bureau, "Finances of Special District Governments"

Innovation: Ratio of Utility Patents per Million Population

Metropolitan Regions	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Atlanta, GA	155	153	150	162	179	187	215	205	276	271
Austin-San Marcos, TX	416	460	507	575	621	682	802	831	1,304	1,371
Baltimore, MD	154	165	181	182	202	173	190	216	261	267
Boston, MA-NH NECMA	376	385	425	429	451	420	466	491	655	672
Denver-Boulder, CO	273	250	284	298	332	348	347	356	471	473
Houston, TX	302	328	331	310	339	322	298	300	368	391
Miami-Ft Lauderdale, FL	129	130	148	138	148	159	150	141	159	162
Minneapolis-St.Paul, MN	453	452	467	512	562	530	557	565	725	759
Norfolk-Va Beach VA	79	83	96	103	84	74	82	70	92	84
Orange, CA	369	395	416	405	438	410	416	425	545	534
Phoenix-Mesa, AZ	220	272	267	256	275	283	302	281	403	382
Pittsburgh, PA	309	298	274	272	291	240	267	240	314	347
Portland-Salem, OR-WA	225	219	192	229	209	274	289	312	458	442
Raleigh-Durham, NC	270	332	333	368	414	402	482	502	767	849
Sacramento, CA	80	90	92	102	119	127	144	138	169	169
San Diego, CA	303	341	331	335	357	344	417	454	605	620
San Francisco, CA	347	404	406	410	417	488	557	685	1,014	1,009
San Jose, CA	865	973	1,052	1,202	1,354	1,542	1,905	2,007	3,003	3,438
Seattle-Tacoma, WA	196	210	205	192	198	213	256	297	388	391
Tampa-St. Pete., FL	117	132	128	102	122	126	118	129	169	169
Washington, DC	178	180	188	191	199	203	214	208	277	274
California	232	254	255	262	286	294	330	350	483	506
United States	190	203	205	207	216	212	231	231	298	308
Source:	Patents from the United States Patent and Trademark Office.									
	Population from the US Bureau of the Census.									

Educational Attainment for Persons Aged 25 and Older				
Metropolitan Regions	Total Score		Rank Order	
	1990	2000	1990	2000
Atlanta, GA	1.470	1.696	15	13
Austin-San Marcos, TX	1.699	1.886	6	7
Baltimore, MD	1.279	1.471	18	19
Boston, MA-NH NECMA	1.626	1.850	9	9
Denver-Boulder, CO	1.713	1.926	5	5
Houston, TX	1.346	1.435	16	20
Miami-Ft Lauderdale, FL	1.089	1.367	22	22
Minneapolis-St.Paul, MN	1.659	1.888	8	6
Norfolk-Va Beach VA	1.345	1.838	17	10
Orange, CA	1.605	1.599	10	15
Phoenix-Mesa, AZ	1.483	1.587	14	16
Pittsburgh, PA	1.209	1.556	20	17
Portland-Salem, OR-WA	1.541	1.762	13	11
Raleigh-Durham, NC	1.729	1.947	3	4
Sacramento, CA	1.544	1.708	12	12
San Diego, CA	1.571	1.675	11	14
San Francisco, CA	1.759	2.047	2	1
San Jose, CA	1.719	1.971	4	2
Seattle-Tacoma, WA	1.683	1.953	7	3
Tampa-St. Pete., FL	1.168	1.431	21	21
Washington, DC	1.887	1.859	1	8
California	1.377	1.507		
United States	1.233	1.493	19	18
Source:	US Census Bureau - American Fact Finder, 2000 Census Supplemental Survey Data			
	US Census Bureau - American Fact Finder, 1990 Census Supplemental Survey Data			
Notes:	Categories of education: less than high school, high school graduate, associates degree or some college, bachelor's degree, graduate degree or professional			
	Weighting Scheme: -1 = less than high school			
	1 = high school graduate			
	2 = associate degree or some college			
	3 = bachelors degree			
	4 = graduate degree or professional			
	The Educational Attainment component accounts for 20% of the Economic Element.			
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