

APPENDIX A: Historical Socioeconomic and Fuel Cost

Table A-1: Historical Population

Year	Phoenix MSA	Arizona	U.S.	Phoenix MSA % of U.S.
1990	2,249,116	3,684,097	249,622,814	0.90%
1991	2,319,206	3,788,576	252,980,941	0.92%
1992	2,398,760	3,915,740	256,514,224	0.94%
1993	2,491,818	4,065,440	259,918,588	0.96%
1994	2,613,502	4,245,089	263,125,821	0.99%
1995	2,744,046	4,432,499	266,278,393	1.03%
1996	2,855,711	4,586,940	269,394,284	1.06%
1997	2,963,714	4,736,990	272,646,925	1.09%
1998	3,074,532	4,883,342	275,854,104	1.11%
1999	3,178,349	5,023,823	279,040,168	1.14%
2000	3,273,477	5,160,586	282,162,411	1.16%
2001	3,363,736	5,273,477	284,968,955	1.18%
2002	3,452,470	5,396,255	287,625,193	1.20%
2003	3,536,388	5,510,364	290,107,933	1.22%
2004	3,637,332	5,652,404	292,805,298	1.24%
2005	3,774,696	5,839,077	295,516,599	1.28%
2006	3,914,212	6,029,141	298,379,912	1.31%
2007	4,018,128	6,167,681	301,231,207	1.33%
2008	4,106,372	6,280,362	304,093,966	1.35%
2009	4,153,609	6,343,154	306,771,529	1.35%
2010	4,209,375	6,410,810	309,326,225	1.36%
2011	4,252,078	6,467,315	311,587,816	1.36%
2012	4,329,534	6,553,255	313,914,040	1.38%
Average Annual Growth Rate				
1990-2012	3.0%	2.7%	1.0%	2.0%

Source: U.S. Department of Commerce, Bureau of Economic Analysis, 2014.

Table A-2: Historical Employment

Year	Phoenix MSA	Arizona	U.S.	Phoenix MSA % of U.S.
1990	1,111,191	1,692,440	109,527,000	1.01%
1991	1,112,977	1,714,176	108,427,000	1.03%
1992	1,129,117	1,753,007	108,802,000	1.04%
1993	1,181,491	1,837,980	110,935,000	1.07%
1994	1,273,891	1,977,860	114,398,000	1.11%
1995	1,362,438	2,096,332	117,407,000	1.16%
1996	1,421,233	2,148,895	119,836,000	1.19%
1997	1,465,750	2,201,211	122,951,000	1.19%
1998	1,534,521	2,282,731	126,157,000	1.22%
1999	1,591,133	2,359,801	129,240,000	1.23%
2000	1,609,059	2,410,247	132,019,000	1.22%
2001	1,648,750	2,467,782	132,074,000	1.25%
2002	1,687,138	2,510,972	130,628,000	1.29%
2003	1,727,856	2,565,469	130,318,000	1.33%
2004	1,783,726	2,642,021	131,749,000	1.35%
2005	1,847,545	2,725,659	134,005,000	1.38%
2006	1,930,609	2,835,935	136,398,000	1.42%
2007	1,975,503	2,898,787	137,936,000	1.43%
2008	1,976,979	2,911,887	137,170,000	1.44%
2009	1,900,253	2,822,763	131,233,000	1.45%
2010	1,875,333	2,781,504	130,275,000	1.44%
2011	1,870,535	2,761,199	131,842,000	1.42%
2012	1,889,202	2,773,831	134,104,000	1.41%
Average Annual Growth Rate				
1990-2012	2.4%	2.3%	0.9%	1.5%

Source: Woods & Poole Economics, 2014 State Profile: Arizona and New Mexico, 2014.

Table A-3: Historical Unemployment Rate

Year	Phoenix MSA	Arizona	U.S.	Phoenix MSA % of U.S.
1990	4.4	5.2	5.6	78.3%
1991	5.0	5.9	6.9	73.0%
1992	6.4	7.4	7.5	85.4%
1993	5.1	6.3	6.9	73.8%
1994	4.6	6.1	6.1	75.4%
1995	3.6	5.4	5.6	64.4%
1996	3.7	5.5	5.4	68.4%
1997	3.0	4.6	4.9	60.7%
1998	2.9	4.3	4.5	64.4%
1999	3.1	4.5	4.2	73.5%
2000	3.3	4.1	4.0	83.2%
2001	4.2	4.7	4.7	88.6%
2002	5.6	6.0	5.8	96.8%
2003	5.2	5.7	6.0	86.8%
2004	4.5	5.0	5.5	81.2%
2005	4.1	4.7	5.1	80.7%
2006	3.6	4.1	4.6	78.1%
2007	3.2	3.7	4.6	69.3%
2008	5.3	6.0	5.8	91.4%
2009	9.2	9.8	9.3	99.1%
2010	9.7	10.4	9.6	100.8%
2011	8.5	9.4	8.9	95.1%
2012	7.3	8.3	8.1	90.4%
Average Annual Growth Rate				
1990-2012	2.3%	2.1%	1.7%	0.7%

Source: Bureau of Labor Statistics.

Table A-4: Historical Personal Income (thousands of 2013 Dollars)

Year	Phoenix MSA	Arizona	U.S.	Phoenix % of U.S.
1990	65,816,330	98,430,612	7,680,448,156	0.86%
1991	66,830,961	100,610,921	7,716,983,527	0.87%
1992	69,190,438	104,295,943	8,000,700,520	0.86%
1993	72,248,737	109,271,789	8,132,337,248	0.89%
1994	78,528,185	117,945,560	8,408,587,994	0.93%
1995	84,521,495	125,497,337	8,697,448,810	0.97%
1996	90,660,969	133,433,319	9,052,500,036	1.00%
1997	97,571,555	142,323,045	9,452,995,707	1.03%
1998	107,198,288	155,370,080	10,085,158,352	1.06%
1999	113,067,410	163,242,220	10,450,336,023	1.08%
2000	122,239,206	174,995,273	11,033,191,991	1.11%
2001	126,432,950	181,572,741	11,366,666,598	1.11%
2002	129,327,633	185,828,669	11,418,651,546	1.13%
2003	133,360,097	191,946,957	11,605,278,971	1.15%
2004	141,661,932	204,188,107	12,003,394,286	1.18%
2005	152,893,627	219,971,132	12,324,205,511	1.24%
2006	166,209,607	237,577,885	12,875,499,077	1.29%
2007	170,117,208	244,227,661	13,238,798,126	1.28%
2008	165,705,097	240,706,080	13,317,045,638	1.24%
2009	157,888,328	231,023,125	12,944,254,510	1.22%
2010	157,085,037	229,660,523	13,102,341,509	1.20%
2011	162,797,289	236,118,193	13,575,127,633	1.20%
2012	166,410,844	240,203,472	13,884,602,668	1.20%
Average Annual Growth Rate				
1990-2012	4.3%	4.1%	2.7%	1.5%

Source: U.S. Department of Commerce, Bureau of Economic Analysis, 2014 and HNTB analysis.

Table A-5: Historical Per Capita Personal Income (2013 Dollars)

Year	Phoenix MSA	Arizona	U.S.	Phoenix % of U.S.
1990	29,263	26,718	30,768	95.1%
1991	28,816	26,556	30,504	94.5%
1992	28,844	26,635	31,190	92.5%
1993	28,994	26,878	31,288	92.7%
1994	30,047	27,784	31,957	94.0%
1995	30,802	28,313	32,663	94.3%
1996	31,747	29,090	33,603	94.5%
1997	32,922	30,045	34,671	95.0%
1998	34,867	31,816	36,560	95.4%
1999	35,574	32,494	37,451	95.0%
2000	37,342	33,910	39,102	95.5%
2001	37,587	34,431	39,887	94.2%
2002	37,459	34,437	39,700	94.4%
2003	37,711	34,834	40,003	94.3%
2004	38,947	36,124	40,994	95.0%
2005	40,505	37,672	41,704	97.1%
2006	42,463	39,405	43,151	98.4%
2007	42,337	39,598	43,949	96.3%
2008	40,353	38,327	43,793	92.1%
2009	38,012	36,421	42,195	90.1%
2010	37,318	35,824	42,358	88.1%
2011	38,287	36,509	43,568	87.9%
2012	38,436	36,654	44,231	86.9%
Average Annual Growth Rate				
1990-2012	1.2%	1.4%	1.7%	-0.4%

Source: U.S. Department of Commerce, Bureau of Economic Analysis, 2014 and HNTB analysis.

Table A-6: Historical Oil and Fuel Prices

Year	Crude Oil (per barrel)		Jet Fuel (per gallon)	
	Nominal Prices	2013 Prices	Nominal Prices	2013 Prices
1990	24.53	39.00	0.76	1.21
1991	21.54	33.16	0.61	0.94
1992	20.58	30.86	0.57	0.86
1993	18.43	26.96	0.53	0.77
1994	17.20	24.65	0.49	0.71
1995	18.43	25.88	0.49	0.69
1996	22.12	30.41	0.61	0.84
1997	20.61	27.85	0.56	0.76
1998	14.42	19.34	0.40	0.54
1999	19.34	25.56	0.50	0.66
2000	30.38	39.18	0.85	1.10
2001	25.98	32.87	0.73	0.92
2002	26.18	32.69	0.69	0.86
2003	31.08	38.05	0.82	1.01
2004	41.51	49.61	1.15	1.38
2005	56.64	65.82	1.72	1.99
2006	66.05	74.75	1.92	2.18
2007	72.34	79.87	2.13	2.35
2008	99.67	106.79	2.96	3.18
2009	61.95	66.42	1.66	1.78
2010	79.48	83.82	2.15	2.27
2011	94.88	97.73	3.00	3.09
2012	94.05	95.12	3.06	3.09
Average Annual Growth Rate				
1990-2012	6.3%	4.1%	6.5%	4.3%

Source: U.S. Energy Information Administration, 2014.