

Appendix G: National and State Multipliers

Appendix G-1

Output, Earnings and Employment Multipliers: **Construction**

State	MULTIPLIERS		
	Output	Earnings	Jobs
Alabama	2.1301	0.6968	16.6560
Alaska	1.6658	0.5936	11.3985
Arizona	2.0385	0.6827	15.9624
Arkansas	2.0007	0.6459	15.0957
California	2.0934	0.6945	13.2785
Colorado	2.1371	0.7137	15.4873
Connecticut	1.8545	0.5957	11.0438
Delaware	1.7036	0.4699	9.7600
District of Columbia	1.1130	0.0706	1.2160
Florida	2.0556	0.6904	16.5954
Georgia	2.2734	0.7437	17.6052
Hawaii	1.8050	0.6223	12.5112
Idaho	1.8526	0.6186	14.9424
Illinois	2.2872	0.7206	13.9369
Indiana	2.1916	0.6897	15.1219
Iowa	1.9115	0.6196	13.8028
Kansas	2.0070	0.5944	13.4943
Kentucky	2.0721	0.6366	14.8912
Louisiana	1.9673	0.6684	14.3753
Maine	1.8813	0.6309	15.1497
Maryland	1.8387	0.5697	11.4550
Massachusetts	1.8546	0.5882	11.1494
Michigan	2.1210	0.7030	15.5145
Minnesota	2.1880	0.6992	13.9833
Mississippi	1.9635	0.6333	15.1575
Missouri	2.1169	0.6459	14.8721
Montana	1.8454	0.6250	15.0146
Nebraska	1.8779	0.6136	13.6193
Nevada	1.8449	0.6116	13.8831
New Hampshire	1.9109	0.5873	11.5185
New Jersey	2.0456	0.6294	11.9954
New Mexico	1.7428	0.5903	14.0902
New York	1.7896	0.5576	10.4871
North Carolina	2.1754	0.7002	16.3900
North Dakota	1.7777	0.5604	10.8581
Ohio	2.2663	0.7165	15.6771
Oklahoma	2.0650	0.6875	15.0677
Oregon	1.9887	0.6266	13.7000
Pennsylvania	2.2462	0.6984	13.9965
Rhode Island	1.7435	0.5104	10.3875
South Carolina	2.1589	0.6928	16.6570
South Dakota	1.8473	0.6140	13.8085
Tennessee	2.2657	0.7086	15.1100
Texas	2.3953	0.7860	15.4873
Utah	2.1936	0.7200	16.2323
Vermont	1.7769	0.5784	13.7989
Virginia	1.9434	0.6029	13.0716
Washington	2.0401	0.6665	13.0316
West Virginia	1.7882	0.5449	12.1756
Wisconsin	2.0661	0.6856	14.8092
Wyoming	1.6314	0.5407	11.6625
U.S. Total	2.8748	0.9106	19.2163

Source: BEA (2007–2015)

Note: Appendices include data for the District of Columbia, resulting in 51 states.

Appendix G-2
Output, Earnings and Employment Multipliers: **Soft Costs**

State	MULTIPLIERS		
	Output	Earnings	Jobs
Alabama	2.0221	0.7230	14.8855
Alaska	1.7729	0.6551	11.0432
Arizona	2.2324	0.8041	16.1146
Arkansas	1.8335	0.6603	13.9335
California	2.3168	0.8307	14.5878
Colorado	2.3789	0.8525	16.5268
Connecticut	2.0170	0.6889	11.8187
Delaware	1.8074	0.4940	8.8727
District of Columbia	1.4473	0.1542	2.3110
Florida	2.2476	0.8148	18.1059
Georgia	2.4220	0.8504	18.3093
Hawaii	1.9715	0.7189	13.9129
Idaho	1.8531	0.6812	14.1061
Illinois	2.4295	0.8313	14.8323
Indiana	2.0720	0.7211	15.1812
Iowa	1.8304	0.6480	13.4870
Kansas	2.0182	0.6525	12.7351
Kentucky	1.9921	0.6652	14.3236
Louisiana	2.0093	0.7334	14.0589
Maine	1.9170	0.7056	15.2134
Maryland	2.1026	0.6966	12.1503
Massachusetts	2.1526	0.7409	12.6558
Michigan	2.1826	0.7912	15.1498
Minnesota	2.2586	0.7841	15.0711
Mississippi	1.8358	0.6509	14.2433
Missouri	2.1305	0.6714	13.4892
Montana	1.8257	0.6825	14.8661
Nebraska	1.9249	0.6888	13.7127
Nevada	1.9477	0.6981	14.1815
New Hampshire	1.9983	0.6663	12.5254
New Jersey	2.2887	0.7468	12.9048
New Mexico	1.8198	0.6710	14.6014
New York	2.0038	0.6317	10.4883
North Carolina	2.2289	0.7879	16.9656
North Dakota	1.7749	0.6104	10.4742
Ohio	2.2427	0.7783	16.2829
Oklahoma	2.0592	0.7527	15.1499
Oregon	2.0549	0.7223	15.2315
Pennsylvania	2.2706	0.7659	14.3749
Rhode Island	1.8726	0.5976	12.2099
South Carolina	2.1695	0.7573	15.9352
South Dakota	1.7636	0.6397	13.1769
Tennessee	2.2930	0.7882	15.8090
Texas	2.5328	0.8871	16.0909
Utah	2.3050	0.8251	18.2508
Vermont	1.8130	0.6548	13.8720
Virginia	2.1222	0.6920	12.5652
Washington	2.1236	0.7630	13.9152
West Virginia	1.7332	0.6007	12.6868
Wisconsin	1.9953	0.7168	15.0185
Wyoming	1.6044	0.5846	11.8672
U.S. Total	2.9854	1.0216	20.0293

Source: BEA (2007–2015)

Note: Appendices include data for the District of Columbia, resulting in 51 states.

Appendix G-3

Output, Earnings and Employment Multipliers: **Building Operations**

State	MULTIPLIERS		
	Output	Earnings	Jobs
Alabama	1.7837	0.5721	23.3282
Alaska	1.5614	0.5169	19.4018
Arizona	1.8809	0.6146	21.628
Arkansas	1.6886	0.537	21.9612
California	1.9713	0.635	21.6867
Colorado	1.9739	0.6422	22.1713
Connecticut	1.7659	0.5443	17.6615
Delaware	1.6179	0.4379	16.2778
District of Columbia	1.2044	0.1093	4.3689
Florida	1.898	0.6231	23.975
Georgia	2.0633	0.6526	24.4491
Hawaii	1.7199	0.5639	19.6895
Idaho	1.6376	0.5372	22.5843
Illinois	2.107	0.6505	20.2371
Indiana	1.9224	0.5952	20.7605
Iowa	1.682	0.5274	20.7656
Kansas	1.7842	0.5092	18.5812
Kentucky	1.8361	0.55	20.6192
Louisiana	1.7753	0.5722	22.8595
Maine	1.7151	0.5655	22.2795
Maryland	1.7512	0.5253	17.7997
Massachusetts	1.7957	0.5544	18.104
Michigan	1.9082	0.6174	22.0103
Minnesota	1.9946	0.6246	21.1503
Mississippi	1.6913	0.5332	22.2367
Missouri	1.8927	0.5604	21.1083
Montana	1.6195	0.5387	22.7207
Nebraska	1.6882	0.5368	21.7028
Nevada	1.6892	0.5477	21.0697
New Hampshire	1.7065	0.507	17.0327
New Jersey	1.9672	0.5842	18.5779
New Mexico	1.6162	0.5305	22.3615
New York	1.7422	0.5108	16.7722
North Carolina	1.9511	0.6164	23.9122
North Dakota	1.5769	0.4838	16.9019
Ohio	2.0255	0.6306	20.9226
Oklahoma	1.8346	0.596	22.6797
Oregon	1.7777	0.5565	19.5671
Pennsylvania	1.9753	0.6046	19.5495
Rhode Island	1.6798	0.4862	16.7839
South Carolina	1.8861	0.583	23.2757
South Dakota	1.5918	0.502	20.683
Tennessee	2.0093	0.617	21.1171
Texas	2.1273	0.6754	22.8188
Utah	1.9771	0.6352	23.8663
Vermont	1.6144	0.5112	20.7441
Virginia	1.7837	0.5336	17.9861
Washington	1.8248	0.5862	20.1021
West Virginia	1.5872	0.4806	17.8579
Wisconsin	1.8238	0.5875	22.2799
Wyoming	1.4712	0.4794	20.5304
U.S. Total	2.5396	0.7919	25.4715

Source: BEA (2007–2015)

Note: Appendices include data for the District of Columbia, resulting in 51 states; categories for management services, utilities, and services to buildings are now combined under building operations.