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# Economic Impacts of Commercial Real Estate

**Stephen S. Fuller, PhD**

Dwight Schar Faculty Chair and University Professor  
Director, Stephen S. Fuller Institute,  
Schar School of Policy and Government  
George Mason University | Arlington, Virginia

*Produced in conjunction with*

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## Appendix G: National and State Multipliers

### Appendix G-1: Output, Earnings and Employment Multipliers: **Non-Residential Construction**

State	MULTIPLIERS		
	Output	Earnings	Jobs
Alabama	2.2169	0.8558	18.7469
Alaska	1.7689	0.7596	13.5141
Arizona	2.1747	0.8800	18.6472
Arkansas	2.0772	0.8036	17.3345
California	2.2398	0.8917	15.6052
Colorado	2.2807	0.9120	17.2766
Connecticut	1.9588	0.7729	13.5375
Delaware	1.7688	0.6138	11.1009
District of Columbia	1.1483	0.1037	1.6527
Florida	2.1989	0.8902	19.7458
Georgia	2.4054	0.9225	19.8785
Hawaii	1.9035	0.8000	14.5076
Idaho	1.9325	0.7923	17.5226
Illinois	2.4632	0.9103	16.5342
Indiana	2.3014	0.8546	17.1734
Iowa	1.9766	0.7682	15.9122
Kansas	2.1265	0.7565	15.7581
Kentucky	2.1756	0.7928	17.1257
Louisiana	2.0959	0.8261	16.9404
Maine	1.9700	0.8193	18.0432
Maryland	1.9502	0.7328	13.4256
Massachusetts	1.9738	0.7611	13.1769
Michigan	2.2607	0.8956	17.7888
Minnesota	2.2682	0.8699	15.8617
Mississippi	2.0478	0.7909	17.2866
Missouri	2.1991	0.7978	16.8098
Montana	1.9068	0.8031	17.5888
Nebraska	1.9597	0.7776	16.7230
Nevada	1.9308	0.7853	15.8015
New Hampshire	2.0180	0.7574	13.5750
New Jersey	2.1920	0.8098	14.2420
New Mexico	1.8448	0.7624	16.7250
New York	1.8694	0.7134	12.2627
North Carolina	2.3139	0.8897	19.1689
North Dakota	1.8184	0.6652	12.0721
Ohio	2.3932	0.8916	17.5173
Oklahoma	2.1823	0.8639	18.7903
Oregon	2.0898	0.7889	14.7549
Pennsylvania	2.3939	0.8810	16.2755
Rhode Island	1.8244	0.6608	12.8156
South Carolina	2.2627	0.8511	18.6976
South Dakota	1.8637	0.7647	16.4021
Tennessee	2.4130	0.8795	16.4655
Texas	2.6152	0.9901	18.5289
Utah	2.3164	0.9062	18.7638
Vermont	1.8355	0.7472	16.1962
Virginia	2.0474	0.7717	15.6377
Washington	2.1175	0.8409	14.9615
West Virginia	1.8223	0.6725	14.3357
Wisconsin	2.1691	0.8540	16.6682
Wyoming	1.6972	0.6789	14.5722
<b>U.S. Totals</b>	<b>3.1141</b>	<b>1.1356</b>	<b>22.2689</b>

Source: BEA (2012-2019)

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

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

### MULTIPLIERS

State	Output	Earnings	Jobs
Alabama	1.9688	0.7537	14.1606
Alaska	1.721	0.6766	10.8242
Arizona	2.1431	0.8222	15.5731
Arkansas	1.8198	0.6977	13.6369
California	2.2132	0.8415	13.6946
Colorado	2.2334	0.8543	14.7772
Connecticut	1.9091	0.7028	11.2715
Delaware	1.7115	0.5075	8.667
District of Columbia	1.3721	0.1812	2.5579
Florida	2.1532	0.8297	17.1057
Georgia	2.3049	0.8607	16.9905
Hawaii	1.9064	0.7432	13.1162
Idaho	1.8159	0.7152	14.5097
Illinois	2.3418	0.8478	14.1873
Indiana	2.0398	0.7551	14.7072
Iowa	1.7652	0.6703	12.608
Kansas	1.9604	0.6636	12.0148
Kentucky	1.95	0.6961	13.8259
Louisiana	1.9608	0.7572	14.0256
Maine	1.8323	0.7195	14.3767
Maryland	1.9996	0.7079	11.5984
Massachusetts	2.0306	0.7466	11.8549
Michigan	2.1035	0.808	14.2594
Minnesota	2.1314	0.7983	13.9358
Mississippi	1.792	0.682	13.6641
Missouri	2.0259	0.6719	12.6825
Montana	1.7435	0.6955	13.822
Nebraska	1.8594	0.707	13.1959
Nevada	1.8617	0.7184	13.1925
New Hampshire	1.9303	0.7006	11.9271
New Jersey	2.1806	0.7589	12.3879
New Mexico	1.7818	0.702	14.0506
New York	1.8985	0.643	10.1136
North Carolina	2.1746	0.8155	16.0633
North Dakota	1.7094	0.6247	10.1691
Ohio	2.1597	0.7936	15.3624
Oklahoma	1.9782	0.7694	15.5173
Oregon	1.9934	0.746	13.8975
Pennsylvania	2.1598	0.7769	13.8216
Rhode Island	1.7754	0.5939	11.3877
South Carolina	2.0994	0.7746	15.3426
South Dakota	1.6747	0.6568	12.4978
Tennessee	2.239	0.8136	14.5967
Texas	2.463	0.9089	16.0108
Utah	2.1864	0.8312	17.0914
Vermont	1.7286	0.671	13.0092
Virginia	2.031	0.7107	12.1771
Washington	2.0082	0.7654	12.4921
West Virginia	1.6913	0.6212	12.0652
Wisconsin	1.9502	0.7448	14.5049
Wyoming	1.5851	0.6202	11.812
<b>U.S. Totals</b>	<b>2.8566</b>	<b>1.0274</b>	<b>18.9315</b>

Source: BEA (2012-2019)

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

### Appendix G-3: Output, Earnings and Employment Multipliers: Operations

#### MULTIPLIERS

State	Output	Earnings	Jobs
Alabama	1.8824	0.635	23.243
Alaska	1.6159	1.6159	19.6713
Arizona	1.9656	0.6816	21.6331
Arkansas	1.7836	0.6008	22.0998
California	2.0495	0.6986	20.0226
Colorado	2.0401	0.7042	21.1285
Connecticut	1.7985	0.582	17.4356
Delaware	1.6547	0.4676	15.9653
District of Columbia	1.224	0.1266	4.4966
Florida	1.9755	0.6853	23.9238
Georgia	2.1531	0.716	23.9419
Hawaii	1.7766	0.6187	19.2654
Idaho	1.7203	0.5987	22.6058
Illinois	2.1914	0.7103	20.1853
Indiana	1.9929	0.6489	20.6631
Iowa	1.7074	0.5648	20.4453
Kansas	1.8597	0.5593	18.0454
Kentucky	1.906	0.5931	20.3643
Louisiana	1.8554	0.6298	22.7865
Maine	1.7507	0.6044	21.5935
Maryland	1.8254	0.5803	18.0475
Massachusetts	1.8466	0.6038	17.664
Michigan	2.0089	0.685	21.8747
Minnesota	1.9924	0.6683	20.2971
Mississippi	1.7629	0.582	21.7743
Missouri	1.9568	0.6105	21.1184
Montana	1.6557	0.5849	22.2476
Nebraska	1.739	0.5841	20.9199
Nevada	1.7313	0.5917	20.935
New Hampshire	1.7637	0.5484	16.569
New Jersey	2.0182	0.6274	18.1722
New Mexico	1.6702	0.5796	21.95
New York	1.7736	0.5541	16.4644
North Carolina	2.0559	0.6832	23.8503
North Dakota	1.6054	0.5139	16.9671
Ohio	2.0972	0.6852	21.2746
Oklahoma	1.8972	0.6489	23.2704
Oregon	1.8658	0.6209	19.0091
Pennsylvania	2.0456	0.6599	19.5793
Rhode Island	1.6968	0.5107	16.1863
South Carolina	1.9839	0.6489	23.4701
South Dakota	1.5923	0.5333	20.0443
Tennessee	2.1354	0.6911	21.2902
Texas	2.2506	0.7529	24.442
Utah	2.041	0.6942	24.2595
Vermont	1.6349	0.5456	20.3315
Virginia	1.8643	0.59	17.9643
Washington	1.8738	0.6342	19.0476
West Virginia	1.6288	0.5128	17.821
Wisconsin	1.8932	0.6366	21.3305
Wyoming	1.5189	0.5124	19.2957
<b>U.S. Totals</b>	<b>2.682</b>	<b>0.877</b>	<b>25.7053</b>

Source: BEA (2012-2019)

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

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