

# Appendix E: Total Impacts by State

## Appendix E-1

Total Impacts (Soft Costs, Site Development, Hard Costs and Tenant Improvements) on State Economies (**Office**), 2016

State	Direct Spending (In Billions of Dollars)	Total Output (In Billions of Dollars)	Personal Earnings (In Billions of Dollars)	Jobs Supported
Alabama	0.252	0.533	0.180	4,321
Alaska	0.054	0.092	0.033	669
Arizona	0.778	1.605	0.555	13,041
Arkansas	0.198	0.389	0.130	3,183
California	6.695	14.379	4.887	98,698
Colorado	1.190	2.602	0.891	20,319
Connecticut	0.049	0.090	0.030	577
Delaware	0.079	0.139	0.039	831
District of Columbia	2.582	3.014	0.270	4,702
Florida	2.107	4.369	1.510	37,214
Georgia	3.488	8.043	2.695	63,136
Hawaii	0.133	0.246	0.087	1,873
Idaho	0.209	0.381	0.132	3,279
Illinois	1.709	3.943	1.276	26,399
Indiana	0.431	0.936	0.304	7,008
Iowa	0.390	0.746	0.248	5,744
Kansas	0.778	1.534	0.468	10,958
Kentucky	0.252	0.524	0.165	4,045
Louisiana	0.203	0.402	0.139	2,992
Maine	0.102	0.193	0.067	1,649
Maryland	1.409	2.687	0.874	17,766
Massachusetts	2.909	5.613	1.826	35,030
Michigan	2.345	4.975	1.700	40,117
Minnesota	0.374	0.818	0.269	5,819
Mississippi	0.040	0.078	0.026	644
Missouri	0.945	2.010	0.624	14,513
Montana	0.092	0.169	0.059	1,487
Nebraska	0.159	0.298	0.101	2,257
Nevada	1.147	2.132	0.730	15,768
New Hampshire	0.023	0.044	0.014	291
New Jersey	0.478	0.990	0.313	6,339
New Mexico	0.138	0.244	0.085	2,094
New York	19.891	36.935	11.674	227,845
North Carolina	2.522	5.506	1.832	45,092
North Dakota	0.160	0.281	0.092	1,882
Ohio	1.356	3.084	1.003	22,432
Oklahoma	0.518	1.060	0.364	8,299
Oregon	1.870	3.763	1.226	28,822
Pennsylvania	0.923	2.062	0.660	13,636
Rhode Island	0.249	0.442	0.133	2,844
South Carolina	0.203	0.438	0.145	3,640
South Dakota	0.153	0.279	0.096	2,366
Tennessee	1.031	2.313	0.746	16,441
Texas	8.399	20.153	6.761	141,201
Utah	0.355	0.788	0.266	6,337
Vermont	0.004	0.008	0.003	62
Virginia	2.098	4.110	1.306	29,334
Washington	1.855	3.845	1.292	26,500
West Virginia	0.025	0.045	0.014	330
Wisconsin	1.028	2.105	0.718	16,598
Wyoming	0.014	0.022	0.008	166
<b>State Totals</b>	<b>74.392</b>	<b>151.462</b>	<b>49.064</b>	<b>1,046,590</b>
<b>Interstate Spillovers</b>		<b>64.661</b>	<b>20.960</b>	<b>492,549</b>
<b>U.S. Totals</b>	<b>74.392</b>	<b>216.123</b>	<b>70.024</b>	<b>1,539,139</b>

Sources: GMU Schar Fuller; Dodge Data & Analytics; BEA; NAIOP

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

## Appendix E-2

### Total Impacts (Soft Costs, Site Development, Hard Costs and Tenant Improvements) on State Economies (**Industrial**), 2016

State	Direct Spending (In Billions of Dollars)	Total Output (In Billions of Dollars)	Personal Earnings (In Billions of Dollars)	Jobs Supported
Alabama	0.736	1.560	0.522	12,586
Alaska	0.000	0.000	0.000	–
Arizona	0.049	0.101	0.035	816
Arkansas	0.174	0.343	0.113	2,786
California	0.621	1.330	0.449	9,125
Colorado	0.127	0.276	0.094	2,154
Connecticut	0.255	0.472	0.154	3,002
Delaware	0.000	0.001	0.000	4
District of Columbia	0.000	0.000	0.000	–
Florida	0.318	0.657	0.226	5,585
Georgia	0.049	0.112	0.037	884
Hawaii	0.000	0.001	0.000	5
Idaho	0.087	0.159	0.054	1,358
Illinois	0.186	0.430	0.138	2,869
Indiana	0.128	0.278	0.089	2,066
Iowa	0.234	0.448	0.148	3,426
Kansas	0.074	0.147	0.045	1,044
Kentucky	0.935	1.955	0.610	15,009
Louisiana	9.316	18.439	6.341	136,517
Maine	0.000	0.000	0.000	–
Maryland	0.081	0.154	0.050	1,012
Massachusetts	0.319	0.612	0.198	3,812
Michigan	2.635	5.596	1.898	45,042
Minnesota	0.313	0.683	0.223	4,841
Mississippi	0.103	0.202	0.067	1,656
Missouri	0.267	0.568	0.176	4,101
Montana	0.000	0.000	0.000	–
Nebraska	0.855	1.608	0.537	12,097
Nevada	0.017	0.032	0.011	232
New Hampshire	0.004	0.007	0.002	47
New Jersey	1.163	2.402	0.754	15,342
New Mexico	0.000	0.000	0.000	3
New York	0.532	0.983	0.310	6,078
North Carolina	0.038	0.084	0.028	685
North Dakota	0.002	0.003	0.001	18
Ohio	0.480	1.095	0.353	7,931
Oklahoma	0.050	0.102	0.035	791
Oregon	0.072	0.145	0.047	1,101
Pennsylvania	0.776	1.738	0.553	11,470
Rhode Island	0.020	0.035	0.010	222
South Carolina	1.198	2.593	0.851	21,465
South Dakota	0.484	0.888	0.302	7,489
Tennessee	0.834	1.875	0.600	13,259
Texas	3.025	7.259	2.421	50,746
Utah	0.002	0.005	0.002	42
Vermont	0.038	0.069	0.023	565
Virginia	0.043	0.084	0.026	598
Washington	0.294	0.609	0.203	4,182
West Virginia	0.061	0.108	0.034	784
Wisconsin	0.147	0.301	0.102	2,366
Wyoming	0.069	0.111	0.038	836
<b>State Totals</b>	<b>27.210</b>	<b>56.658</b>	<b>18.911</b>	<b>418,052</b>
<b>Interstate Spillovers</b>		<b>22.425</b>	<b>6.559</b>	<b>143,811</b>
<b>U.S. Totals</b>	<b>27.210</b>	<b>79.084</b>	<b>25.471</b>	<b>561,863</b>

Sources: GMU Schar Fuller; Dodge Data & Analytics; BEA; NAIOP

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

### Appendix E-3

#### Total Impacts (Soft Costs, Site Development, Hard Costs and Tenant Improvements) on State Economies (**Warehouse**), 2016

State	Direct Spending (In Billions of Dollars)	Total Output (In Billions of Dollars)	Personal Earnings (In Billions of Dollars)	Jobs Supported
Alabama	0.011	0.024	0.008	194
Alaska	0.012	0.021	0.008	153
Arizona	0.675	1.390	0.479	11,283
Arkansas	0.255	0.503	0.167	4,098
California	3.128	6.707	2.271	46,021
Colorado	0.676	1.475	0.504	11,509
Connecticut	0.217	0.402	0.132	2,560
Delaware	0.010	0.018	0.005	105
District of Columbia	0.020	0.024	0.002	36
Florida	2.251	4.661	1.605	39,659
Georgia	0.697	1.607	0.537	12,624
Hawaii	0.030	0.055	0.019	415
Idaho	0.036	0.066	0.023	568
Illinois	1.647	3.797	1.224	25,377
Indiana	0.593	1.289	0.416	9,617
Iowa	0.131	0.252	0.083	1,931
Kansas	0.600	1.183	0.360	8,428
Kentucky	0.376	0.785	0.246	6,041
Louisiana	0.130	0.257	0.089	1,906
Maine	0.007	0.014	0.005	117
Maryland	0.287	0.546	0.177	3,606
Massachusetts	0.175	0.337	0.109	2,102
Michigan	0.239	0.506	0.172	4,080
Minnesota	0.265	0.580	0.190	4,117
Mississippi	0.002	0.004	0.001	37
Missouri	0.676	1.440	0.446	10,394
Montana	0.007	0.013	0.004	113
Nebraska	0.067	0.127	0.043	956
Nevada	0.484	0.900	0.307	6,632
New Hampshire	0.010	0.019	0.006	124
New Jersey	1.244	2.572	0.810	16,447
New Mexico	0.013	0.022	0.008	192
New York	1.239	2.296	0.724	14,179
North Carolina	0.393	0.859	0.284	7,022
North Dakota	0.106	0.187	0.061	1,246
Ohio	0.456	1.038	0.336	7,533
Oklahoma	0.242	0.495	0.169	3,861
Oregon	0.420	0.845	0.274	6,447
Pennsylvania	0.929	2.078	0.663	13,727
Rhode Island	0.001	0.002	0.001	13
South Carolina	0.136	0.293	0.097	2,433
South Dakota	0.106	0.193	0.066	1,634
Tennessee	0.201	0.451	0.145	3,193
Texas	3.023	7.253	2.425	50,755
Utah	0.207	0.458	0.154	3,672
Vermont	0.002	0.004	0.001	33
Virginia	0.226	0.442	0.140	3,162
Washington	0.371	0.770	0.257	5,292
West Virginia	0.037	0.065	0.021	473
Wisconsin	0.358	0.735	0.250	5,778
Wyoming	0.026	0.042	0.014	317
<b>State Totals</b>	<b>23.451</b>	<b>50.103</b>	<b>16.537</b>	<b>362,215</b>
<b>Interstate Spillovers</b>		<b>18.043</b>	<b>5.469</b>	<b>122,444</b>
<b>U.S. Totals</b>	<b>23.451</b>	<b>68.146</b>	<b>22.005</b>	<b>484,659</b>

Sources: GMU Schar Fuller; Dodge Data & Analytics; BEA; NAIOP

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

## Appendix E-4

### Total Impacts (Soft Costs, Site Development, Hard Costs and Tenant Improvements) on State Economies (**Retail and Entertainment**), 2016

State	Direct Spending (In Billions of Dollars)	Total Output (In Billions of Dollars)	Personal Earnings (In Billions of Dollars)	Jobs Supported
Alabama	0.245	0.517	0.174	4,192
Alaska	0.019	0.032	0.012	232
Arizona	0.612	1.263	0.438	10,271
Arkansas	0.187	0.367	0.123	3,007
California	3.896	8.375	2.852	57,498
Colorado	0.696	1.523	0.523	11,895
Connecticut	0.164	0.305	0.101	1,944
Delaware	0.082	0.145	0.040	863
District of Columbia	0.227	0.266	0.024	418
Florida	2.922	6.066	2.101	51,694
Georgia	1.485	3.425	1.150	26,875
Hawaii	0.193	0.357	0.127	2,724
Idaho	0.115	0.210	0.073	1,808
Illinois	1.373	3.169	1.027	21,236
Indiana	0.356	0.772	0.251	5,790
Iowa	0.467	0.892	0.297	6,888
Kansas	0.320	0.629	0.193	4,503
Kentucky	0.391	0.814	0.257	6,293
Louisiana	0.317	0.627	0.218	4,670
Maine	0.066	0.124	0.043	1,064
Maryland	0.677	1.293	0.421	8,554
Massachusetts	1.201	2.321	0.757	14,491
Michigan	0.502	1.065	0.365	8,591
Minnesota	0.488	1.068	0.352	7,600
Mississippi	0.141	0.275	0.092	2,276
Missouri	0.672	1.429	0.444	10,318
Montana	0.115	0.211	0.074	1,861
Nebraska	0.187	0.351	0.118	2,659
Nevada	0.456	0.848	0.291	6,281
New Hampshire	0.090	0.173	0.055	1,153
New Jersey	0.657	1.362	0.431	8,729
New Mexico	0.160	0.281	0.098	2,423
New York	3.144	5.844	1.849	36,032
North Carolina	1.009	2.203	0.735	18,057
North Dakota	0.048	0.084	0.027	563
Ohio	0.942	2.141	0.698	15,591
Oklahoma	0.395	0.807	0.278	6,330
Oregon	0.400	0.804	0.263	6,171
Pennsylvania	1.452	3.244	1.041	21,465
Rhode Island	0.047	0.084	0.025	540
South Carolina	0.401	0.866	0.287	7,203
South Dakota	0.074	0.136	0.047	1,155
Tennessee	0.924	2.074	0.671	14,764
Texas	4.057	9.734	3.271	68,242
Utah	0.267	0.593	0.201	4,783
Vermont	0.025	0.046	0.015	377
Virginia	1.313	2.574	0.819	18,349
Washington	0.500	1.037	0.349	7,156
West Virginia	0.044	0.079	0.025	577
Wisconsin	0.442	0.903	0.309	7,132
Wyoming	0.025	0.041	0.014	309
<b>State Totals</b>	<b>34.988</b>	<b>73.850</b>	<b>24.444</b>	<b>533,596</b>
<b>Interstate Spillovers</b>		<b>27.785</b>	<b>8.545</b>	<b>190,726</b>
<b>U.S. Totals</b>	<b>34.988</b>	<b>101.635</b>	<b>32.989</b>	<b>724,322</b>

Sources: GMU Schar Fuller; Dodge Data & Analytics; BEA; NAIOP

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

## Appendix E-5

### Total Impacts (Soft Costs, Site Development, Hard Costs and Tenant Improvements) on State Economies (in Four Categories), 2016

State	Direct Spending (In Billions of Dollars)	Total Output (In Billions of Dollars)	Personal Earnings (In Billions of Dollars)	Jobs Supported
Alabama	1.244	2.634	0.884	21,293
Alaska	0.085	0.146	0.052	1,054
Arizona	2.113	4.359	1.507	35,411
Arkansas	0.813	1.603	0.533	13,074
California	14.340	30.792	10.459	211,341
Colorado	2.689	5.877	2.012	45,877
Connecticut	0.684	1.268	0.417	8,083
Delaware	0.171	0.303	0.084	1,803
District of Columbia	2.829	3.303	0.296	5,157
Florida	7.598	15.752	5.441	134,152
Georgia	5.720	13.188	4.419	103,519
Hawaii	0.356	0.659	0.233	5,018
Idaho	0.447	0.816	0.282	7,014
Illinois	4.916	11.340	3.665	75,881
Indiana	1.507	3.274	1.060	24,481
Iowa	1.222	2.339	0.776	17,990
Kansas	1.772	3.494	1.065	24,934
Kentucky	1.954	4.078	1.278	31,387
Louisiana	9.966	19.724	6.787	146,085
Maine	0.175	0.331	0.115	2,831
Maryland	2.454	4.679	1.522	30,938
Massachusetts	4.603	8.883	2.889	55,435
Michigan	5.721	12.143	4.136	97,830
Minnesota	1.441	3.149	1.033	22,377
Mississippi	0.287	0.559	0.187	4,613
Missouri	2.560	5.446	1.689	39,327
Montana	0.214	0.393	0.138	3,461
Nebraska	1.268	2.385	0.799	17,969
Nevada	2.105	3.911	1.339	28,914
New Hampshire	0.126	0.243	0.077	1,616
New Jersey	3.542	7.327	2.309	46,856
New Mexico	0.311	0.548	0.191	4,713
New York	24.805	46.058	14.557	284,135
North Carolina	3.963	8.651	2.879	70,856
North Dakota	0.316	0.554	0.181	3,709
Ohio	3.235	7.358	2.391	53,488
Oklahoma	1.204	2.464	0.846	19,281
Oregon	2.762	5.557	1.810	42,541
Pennsylvania	4.080	9.123	2.916	60,298
Rhode Island	0.317	0.563	0.170	3,620
South Carolina	1.938	4.191	1.379	34,740
South Dakota	0.817	1.497	0.510	12,644
Tennessee	2.990	6.713	2.162	47,657
Texas	18.504	44.399	14.877	310,944
Utah	0.831	1.845	0.623	14,834
Vermont	0.070	0.127	0.042	1,037
Virginia	3.680	7.210	2.292	51,442
Washington	3.021	6.261	2.101	43,130
West Virginia	0.167	0.298	0.095	2,163
Wisconsin	1.975	4.045	1.379	31,873
Wyoming	0.134	0.216	0.074	1,628
<b>State Totals</b>	<b>160.041</b>	<b>332.073</b>	<b>108.956</b>	<b>2,360,453</b>
<b>Interstate Spillovers</b>		<b>132.915</b>	<b>41.532</b>	<b>949,530</b>
<b>U.S. Totals</b>	<b>160.041</b>	<b>464.988</b>	<b>150.488</b>	<b>3,309,982</b>

Sources: GMU Schar Fuller; Dodge Data & Analytics; BEA; NAIOP

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