



# America's New Energy Future: The Unconventional Oil and Gas Revolution and the US Economy

## Volume 2 – State Economic Contributions

### *Appendix B. Employment Contributions by State, Industry, and Year*

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## Appendix B. Employment Contributions by State, Industry, and Year

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Appendix B presents the same employment contribution results as in Appendix A disaggregated by the top 15 industries based on total employment in 2012 for each of the reference years (2012, 2015, 2020, 2025, 2030, and 2035). The industries displayed are held constant across all years reported (2012, 2020 and 2035).

A summary description of the tables is as follows:

*1 – Total Unconventional Oil and Gas Activity - Employment Contribution by State and Industry.* These tables present estimates of employment contributions for total unconventional oil and gas on a direct, indirect, induced, and total basis for each state by industry for each reference year.

*2 – Unconventional Oil Activity - Employment Contribution by State and Industry.* These tables present estimates of employment contributions for total unconventional oil on a direct, indirect, induced, and total basis for each state by industry for each reference year.

*3 – Unconventional Gas Activity - Employment Contribution by State and Industry.* These tables present estimates of employment contributions for total unconventional gas on a direct, indirect, induced, and total basis for each state by industry for each reference year.

## TOTAL UNCONVENTIONAL OIL AND GAS ACTIVITY

## Total Unconventional Activity – Employment Contribution by State and Industry

<b>Alabama Employment Contribution by State and Industry: Total Unconventional Activity (Number of workers)</b>				
<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	323	395	717
Professional, Scientific, & Technical Services	0	375	288	662
Food Services & Drinking Places	0	74	438	512
Primary Metal Manufacturing	0	375	31	406
Fabricated Metal Product Manufacturing	0	341	52	393
Real Estate	0	91	243	334
Wholesalers	0	127	191	319
Ambulatory Health Care Services	0	0	289	289
Transportation Equipment Manufacturing	0	78	133	211
Construction	0	146	49	195
General Merchandise Stores	0	6	182	189
Food Manufacturing	0	6	171	177
Truck Transportation	0	75	93	168
Repair & Maintenance	0	54	105	159
Hospitals	0	0	154	154
<i>All Other Industries</i>	7	1,231	2,940	4,179
<b>State Total</b>	<b>7</b>	<b>3,303</b>	<b>5,753</b>	<b>9,064</b>
<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	529	649	1,178
Professional, Scientific, & Technical Services	0	648	491	1,139
Food Services & Drinking Places	0	124	736	861
Primary Metal Manufacturing	0	587	52	639
Fabricated Metal Product Manufacturing	0	596	94	691
Real Estate	0	164	423	587
Wholesalers	0	222	343	565
Ambulatory Health Care Services	0	0	486	486
Transportation Equipment Manufacturing	0	148	248	396
Construction	0	265	78	343
General Merchandise Stores	0	11	301	312
Food Manufacturing	0	9	285	295
Truck Transportation	0	117	149	265
Repair & Maintenance	0	93	185	278
Hospitals	0	0	254	254
<i>All Other Industries</i>	10	2,161	5,053	7,225
<b>State Total</b>	<b>10</b>	<b>5,675</b>	<b>9,827</b>	<b>15,512</b>
<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	612	741	1,353
Professional, Scientific, & Technical Services	0	722	556	1,278
Food Services & Drinking Places	0	141	838	979
Primary Metal Manufacturing	0	794	69	863
Fabricated Metal Product Manufacturing	0	983	150	1,133
Real Estate	0	176	456	632
Wholesalers	0	284	423	707
Ambulatory Health Care Services	0	0	535	535
Transportation Equipment Manufacturing	0	208	327	535
Construction	0	240	82	322
General Merchandise Stores	0	12	322	334
Food Manufacturing	0	11	330	341
Truck Transportation	0	142	168	310
Repair & Maintenance	0	113	227	340
Hospitals	0	0	275	275
<i>All Other Industries</i>	17	2,776	5,885	8,678
<b>State Total</b>	<b>17</b>	<b>7,216</b>	<b>11,382</b>	<b>18,615</b>

Source: IHS Global Insight

**Arizona Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	614	761	1,375
Professional, Scientific, & Technical Services	0	524	428	952
Real Estate	0	208	557	765
Food Services & Drinking Places	0	98	586	685
Ambulatory Health Care Services	0	0	482	483
Wholesalers	0	170	256	425
Construction	0	264	93	357
Accommodation	0	102	204	307
Hospitals	0	0	291	291
Educational Services	0	2	247	250
Fabricated Metal Product Manufacturing	0	215	35	249
Mining (except Oil & Gas)	0	214	23	237
Management of Companies & Enterprises	0	141	75	216
Social Assistance	0	0	204	204
General Merchandise Stores	0	7	195	202
<i>All Other Industries</i>	1	1,202	3,499	4,702
<b>State Total</b>	<b>1</b>	<b>3,761</b>	<b>7,936</b>	<b>11,698</b>

2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	1,070	1,324	2,394
Professional, Scientific, & Technical Services	0	977	813	1,790
Real Estate	0	422	1,091	1,513
Food Services & Drinking Places	0	174	1,033	1,206
Ambulatory Health Care Services	0	0	894	894
Wholesalers	0	305	473	778
Construction	0	568	177	745
Accommodation	0	169	349	518
Hospitals	0	0	519	519
Educational Services	0	4	453	457
Fabricated Metal Product Manufacturing	0	376	64	440
Mining (except Oil & Gas)	0	326	37	363
Management of Companies & Enterprises	0	249	131	380
Social Assistance	0	0	362	362
General Merchandise Stores	0	12	336	349
<i>All Other Industries</i>	1	2,035	6,180	8,216
<b>State Total</b>	<b>1</b>	<b>6,688</b>	<b>14,235</b>	<b>20,924</b>

2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	1,415	1,713	3,127
Professional, Scientific, & Technical Services	0	1,333	1,163	2,497
Real Estate	0	543	1,406	1,949
Food Services & Drinking Places	0	224	1,334	1,557
Ambulatory Health Care Services	0	0	1,150	1,150
Wholesalers	0	413	617	1,030
Construction	0	595	206	802
Accommodation	0	200	394	594
Hospitals	0	0	633	633
Educational Services	0	5	477	482
Fabricated Metal Product Manufacturing	0	435	73	508
Mining (except Oil & Gas)	0	374	40	415
Management of Companies & Enterprises	0	279	153	433
Social Assistance	0	0	422	422
General Merchandise Stores	0	14	393	407
<i>All Other Industries</i>	3	2,558	7,775	10,336
<b>State Total</b>	<b>3</b>	<b>8,390</b>	<b>17,948</b>	<b>26,340</b>

Source: IHS Global Insight

**Arkansas Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Oil and Gas Extraction	4,442	55	10	4,507
Mining (except Oil & Gas)	3,782	77	4	3,862
Construction	599	1,163	126	1,888
Professional, Scientific, & Technical Services	60	1,221	388	1,669
Administrative & Support Services	0	1,018	588	1,605
Food Services & Drinking Places	0	237	1,239	1,475
Primary Metal Manufacturing	779	279	13	1,071
Utilities	831	174	63	1,068
Wholesalers	0	565	368	933
Truck Transportation	317	368	183	868
Ambulatory Health Care Services	0	0	794	794
Real Estate	0	250	543	792
Support Activities for Mining	717	54	0	771
Hospitals	0	0	664	664
Management of Companies & Enterprises	0	554	110	664
<i>All Other Industries</i>	406	2,648	7,414	10,469
<b>State Total</b>	<b>11,933</b>	<b>8,661</b>	<b>12,506</b>	<b>33,100</b>

2020	Direct	Indirect	Induced	Total
Oil and Gas Extraction	6,825	101	19	6,944
Mining (except Oil & Gas)	5,469	121	6	5,596
Construction	1,278	1,815	201	3,294
Professional, Scientific, & Technical Services	178	2,047	625	2,851
Administrative & Support Services	0	1,643	951	2,594
Food Services & Drinking Places	0	397	1,962	2,359
Primary Metal Manufacturing	1,106	426	21	1,554
Utilities	936	283	104	1,323
Wholesalers	0	900	597	1,497
Truck Transportation	420	652	352	1,424
Ambulatory Health Care Services	0	0	1,239	1,239
Real Estate	0	410	866	1,276
Support Activities for Mining	1,363	97	1	1,461
Hospitals	0	0	1,074	1,074
Management of Companies & Enterprises	0	919	191	1,110
<i>All Other Industries</i>	702	4,306	11,936	16,944
<b>State Total</b>	<b>18,277</b>	<b>14,116</b>	<b>20,146</b>	<b>52,539</b>

2035	Direct	Indirect	Induced	Total
Oil and Gas Extraction	5,388	103	21	5,512
Mining (except Oil & Gas)	6,344	151	7	6,501
Construction	1,705	1,632	220	3,557
Professional, Scientific, & Technical Services	257	2,240	694	3,192
Administrative & Support Services	0	1,930	1,059	2,989
Food Services & Drinking Places	0	475	2,142	2,617
Primary Metal Manufacturing	1,256	501	22	1,779
Utilities	712	359	121	1,192
Wholesalers	0	1,095	669	1,763
Truck Transportation	320	835	431	1,586
Ambulatory Health Care Services	0	0	1,330	1,330
Real Estate	0	455	963	1,418
Support Activities for Mining	1,438	92	1	1,532
Hospitals	0	0	1,188	1,188
Management of Companies & Enterprises	0	959	199	1,158
<i>All Other Industries</i>	1,080	4,967	13,057	19,104
<b>State Total</b>	<b>18,498</b>	<b>15,795</b>	<b>22,125</b>	<b>56,418</b>

Source: IHS Global Insight

**California Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	0	5,946	3,943	9,889
Administrative & Support Services	0	3,751	3,713	7,464
Food Services & Drinking Places	0	965	4,273	5,238
Real Estate	0	1,498	3,552	5,050
Wholesalers	0	2,490	2,083	4,573
Machinery Manufacturing	4,058	396	67	4,520
Fabricated Metal Product Manufacturing	684	2,590	284	3,558
Ambulatory Health Care Services	0	1	2,892	2,892
Management of Companies & Enterprises	0	1,594	640	2,234
Construction	0	1,379	639	2,018
Computer & Electronic Product Manufacturing	926	671	413	2,009
Educational Services	0	22	1,811	1,832
Hospitals	0	0	1,598	1,598
Food & Beverage Stores	0	71	1,431	1,502
Repair & Maintenance	0	501	996	1,497
<i>All Other Industries</i>	<i>812</i>	<i>11,462</i>	<i>28,403</i>	<i>40,678</i>
<b>State Total</b>	<b>6,480</b>	<b>33,337</b>	<b>56,737</b>	<b>96,553</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	0	9,529	6,516	16,045
Administrative & Support Services	0	5,998	6,203	12,201
Food Services & Drinking Places	0	1,470	6,773	8,243
Real Estate	0	2,587	6,120	8,707
Wholesalers	0	3,720	3,507	7,227
Machinery Manufacturing	5,119	649	116	5,884
Fabricated Metal Product Manufacturing	782	3,992	462	5,236
Ambulatory Health Care Services	0	1	4,683	4,684
Management of Companies & Enterprises	0	2,533	1,056	3,589
Construction	0	2,726	1,169	3,895
Computer & Electronic Product Manufacturing	1,202	1,060	745	3,007
Educational Services	0	36	2,872	2,908
Hospitals	0	0	2,451	2,451
Food & Beverage Stores	0	115	2,389	2,504
Repair & Maintenance	0	750	1,514	2,264
<i>All Other Industries</i>	<i>807</i>	<i>17,984</i>	<i>46,024</i>	<i>64,815</i>
<b>State Total</b>	<b>7,910</b>	<b>53,150</b>	<b>92,598</b>	<b>153,658</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	319	11,517	7,619	19,454
Administrative & Support Services	0	7,301	7,246	14,547
Food Services & Drinking Places	0	1,808	8,373	10,181
Real Estate	0	3,182	7,404	10,586
Wholesalers	0	4,587	4,301	8,889
Machinery Manufacturing	4,948	736	119	5,804
Fabricated Metal Product Manufacturing	1,397	4,117	429	5,942
Ambulatory Health Care Services	0	1	5,690	5,691
Management of Companies & Enterprises	0	2,874	1,182	4,056
Construction	1,055	3,201	1,433	5,689
Computer & Electronic Product Manufacturing	1,255	1,266	861	3,381
Educational Services	0	46	3,329	3,375
Hospitals	0	0	2,806	2,806
Food & Beverage Stores	0	145	2,938	3,082
Repair & Maintenance	0	884	1,672	2,556
<i>All Other Industries</i>	<i>4,147</i>	<i>21,839</i>	<i>55,245</i>	<i>81,231</i>
<b>State Total</b>	<b>13,120</b>	<b>63,502</b>	<b>110,647</b>	<b>187,270</b>

Source: IHS Global Insight

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Appendix B – Employment Contributions by State, Industry, and Year

**Colorado Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Support Activities for Mining	6,933	870	9	7,812
Machinery Manufacturing	7,387	86	8	7,482
Professional, Scientific, & Technical Services	250	4,176	1,615	6,041
Oil and Gas Extraction	4,814	176	55	5,045
Construction	2,044	2,131	335	4,510
Food Services & Drinking Places	0	745	3,311	4,057
Administrative & Support Services	0	2,267	1,606	3,873
Real Estate	0	927	1,753	2,681
Wholesalers	0	1,595	1,043	2,638
Ambulatory Health Care Services	0	0	2,218	2,219
Management of Companies & Enterprises	0	1,350	212	1,562
Social Assistance	0	0	1,246	1,246
Insurance Carriers & Related Activities	106	252	850	1,207
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	271	913	1,184
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	534	649	1,183
<i>All Other Industries</i>	<i>2,204</i>	<i>6,172</i>	<i>16,505</i>	<i>24,881</i>
<b>State Total</b>	<b>23,737</b>	<b>21,555</b>	<b>32,329</b>	<b>77,622</b>

2020	Direct	Indirect	Induced	Total
Support Activities for Mining	9,761	689	11	10,462
Machinery Manufacturing	10,139	141	15	10,296
Professional, Scientific, & Technical Services	453	6,902	2,703	10,058
Oil and Gas Extraction	8,520	368	113	9,001
Construction	2,683	3,742	539	6,965
Food Services & Drinking Places	0	1,140	5,308	6,448
Administrative & Support Services	0	3,556	2,611	6,166
Real Estate	0	1,492	2,833	4,325
Wholesalers	0	2,352	1,695	4,048
Ambulatory Health Care Services	0	0	3,557	3,557
Management of Companies & Enterprises	0	2,146	343	2,489
Social Assistance	0	0	2,023	2,023
Insurance Carriers & Related Activities	151	412	1,460	2,023
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	437	1,493	1,929
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	814	1,050	1,864
<i>All Other Industries</i>	<i>3,067</i>	<i>9,873</i>	<i>26,806</i>	<i>39,746</i>
<b>State Total</b>	<b>34,775</b>	<b>34,064</b>	<b>52,559</b>	<b>121,398</b>

2035	Direct	Indirect	Induced	Total
Support Activities for Mining	13,238	1,028	16	14,282
Machinery Manufacturing	12,852	169	17	13,038
Professional, Scientific, & Technical Services	812	10,434	3,871	15,116
Oil and Gas Extraction	11,590	485	154	12,230
Construction	5,120	5,287	750	11,157
Food Services & Drinking Places	0	1,707	7,843	9,550
Administrative & Support Services	0	5,310	3,733	9,044
Real Estate	0	2,162	4,034	6,196
Wholesalers	0	3,426	2,479	5,905
Ambulatory Health Care Services	0	1	5,282	5,282
Management of Companies & Enterprises	0	3,065	465	3,529
Social Assistance	0	0	2,985	2,985
Insurance Carriers & Related Activities	306	699	2,168	3,173
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	659	2,168	2,828
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	1,272	1,552	2,823
<i>All Other Industries</i>	<i>4,899</i>	<i>14,239</i>	<i>39,086</i>	<i>58,225</i>
<b>State Total</b>	<b>48,818</b>	<b>49,944</b>	<b>76,601</b>	<b>175,363</b>

Source: IHS Global Insight

**Connecticut Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	349	294	643
Administrative & Support Services	0	229	284	514
Fabricated Metal Product Manufacturing	0	363	66	429
Food Services & Drinking Places	0	54	322	376
Insurance Carriers & Related Activities	0	42	272	313
Real Estate	0	80	214	294
Wholesalers	0	115	173	289
Ambulatory Health Care Services	0	0	284	284
Educational Services	0	2	272	274
Social Assistance	0	0	250	250
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	76	173	249
Management of Companies & Enterprises	0	149	79	228
Accommodation	0	78	143	221
Nursing & Residential Care Facilities	0	0	219	219
Hospitals	0	0	217	217
<i>All Other Industries</i>	0	1,123	2,339	3,463
<b>State Total</b>	<b>0</b>	<b>2,661</b>	<b>5,601</b>	<b>8,262</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	570	468	1,038
Administrative & Support Services	0	377	468	845
Fabricated Metal Product Manufacturing	0	509	103	612
Food Services & Drinking Places	0	88	525	613
Insurance Carriers & Related Activities	0	69	432	501
Real Estate	0	136	352	489
Wholesalers	0	190	294	484
Ambulatory Health Care Services	0	0	443	443
Educational Services	0	4	449	454
Social Assistance	0	0	428	428
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	134	304	438
Management of Companies & Enterprises	0	221	116	336
Accommodation	0	116	222	338
Nursing & Residential Care Facilities	0	0	342	342
Hospitals	0	0	349	349
<i>All Other Industries</i>	1	1,890	3,790	5,681
<b>State Total</b>	<b>1</b>	<b>4,305</b>	<b>9,086</b>	<b>13,392</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	551	445	996
Administrative & Support Services	0	379	464	843
Fabricated Metal Product Manufacturing	0	585	122	707
Food Services & Drinking Places	0	90	537	627
Insurance Carriers & Related Activities	0	72	448	520
Real Estate	0	135	349	484
Wholesalers	0	229	342	572
Ambulatory Health Care Services	0	0	420	421
Educational Services	0	5	480	485
Social Assistance	0	0	439	439
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	152	332	484
Management of Companies & Enterprises	0	172	94	266
Accommodation	0	161	291	452
Nursing & Residential Care Facilities	0	0	319	319
Hospitals	0	0	336	336
<i>All Other Industries</i>	3	2,151	4,015	6,169
<b>State Total</b>	<b>3</b>	<b>4,682</b>	<b>9,434</b>	<b>14,119</b>

Source: IHS Global Insight

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**Delaware Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	115	92	207
Administrative & Support Services	0	74	77	151
Food Services & Drinking Places	0	19	102	121
Real Estate	0	31	79	109
Credit Intermediation & Related Activities	0	26	75	101
Hospitals	0	0	75	75
Management of Companies & Enterprises	0	49	24	73
Ambulatory Health Care Services	0	0	70	70
Wholesalers	0	34	34	68
Construction	0	46	17	64
Primary Metal Manufacturing	44	17	1	62
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	19	40	60
Social Assistance	0	0	56	56
Fabricated Metal Product Manufacturing	23	27	4	53
Food Manufacturing	0	1	46	48
<i>All Other Industries</i>	<i>0</i>	<i>193</i>	<i>684</i>	<i>877</i>
<b>State Total</b>	<b>67</b>	<b>651</b>	<b>1,476</b>	<b>2,195</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	192	156	348
Administrative & Support Services	0	117	118	235
Food Services & Drinking Places	0	33	178	212
Real Estate	0	55	137	193
Credit Intermediation & Related Activities	0	50	143	193
Hospitals	0	0	125	125
Management of Companies & Enterprises	0	100	49	149
Ambulatory Health Care Services	0	0	121	121
Wholesalers	0	58	56	115
Construction	0	91	30	122
Primary Metal Manufacturing	73	28	1	103
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	39	81	121
Social Assistance	0	0	100	100
Fabricated Metal Product Manufacturing	77	48	7	132
Food Manufacturing	0	2	80	82
<i>All Other Industries</i>	<i>0</i>	<i>317</i>	<i>1,177</i>	<i>1,494</i>
<b>State Total</b>	<b>150</b>	<b>1,132</b>	<b>2,559</b>	<b>3,841</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	213	171	384
Administrative & Support Services	0	163	138	301
Food Services & Drinking Places	0	47	233	281
Real Estate	0	63	149	212
Credit Intermediation & Related Activities	0	61	164	226
Hospitals	0	0	149	149
Management of Companies & Enterprises	0	130	64	194
Ambulatory Health Care Services	0	0	154	154
Wholesalers	0	102	77	179
Construction	0	103	37	140
Primary Metal Manufacturing	147	33	1	181
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	61	116	177
Social Assistance	0	0	128	128
Fabricated Metal Product Manufacturing	186	43	6	235
Food Manufacturing	0	3	92	95
<i>All Other Industries</i>	<i>0</i>	<i>396</i>	<i>1,476</i>	<i>1,873</i>
<b>State Total</b>	<b>333</b>	<b>1,419</b>	<b>3,155</b>	<b>4,907</b>

Source: IHS Global Insight

**Florida Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,886	1,650	3,536
Administrative & Support Services	0	1,558	1,885	3,444
Real Estate	0	743	1,966	2,709
Food Services & Drinking Places	0	336	1,945	2,281
Ambulatory Health Care Services	0	0	1,412	1,412
Wholesalers	0	568	832	1,400
Amusement, Gambling, & Recreation Industries	0	36	1,053	1,089
Accommodation	0	378	701	1,080
Construction	0	731	272	1,003
Hospitals	0	0	905	905
Management of Companies & Enterprises	0	487	248	734
Educational Services	0	7	714	721
Food & Beverage Stores	0	26	682	708
Insurance Carriers & Related Activities	0	94	611	705
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	106	572	678
<i>All Other Industries</i>	208	3,647	10,273	14,128
<b>State Total</b>	<b>208</b>	<b>10,603</b>	<b>25,721</b>	<b>36,532</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	3,312	2,980	6,292
Administrative & Support Services	0	2,900	3,538	6,438
Real Estate	0	1,425	3,657	5,082
Food Services & Drinking Places	0	574	3,330	3,904
Ambulatory Health Care Services	0	0	2,415	2,416
Wholesalers	0	1,006	1,523	2,529
Amusement, Gambling, & Recreation Industries	0	64	1,774	1,838
Accommodation	0	659	1,254	1,913
Construction	0	1,595	540	2,134
Hospitals	0	0	1,591	1,591
Management of Companies & Enterprises	0	918	465	1,383
Educational Services	0	12	1,206	1,217
Food & Beverage Stores	0	47	1,210	1,257
Insurance Carriers & Related Activities	0	178	1,104	1,281
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	162	937	1,099
<i>All Other Industries</i>	291	6,302	18,095	24,688
<b>State Total</b>	<b>291</b>	<b>19,154</b>	<b>45,619</b>	<b>65,063</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	3,927	3,719	7,646
Administrative & Support Services	0	4,398	5,334	9,732
Real Estate	0	1,882	4,846	6,728
Food Services & Drinking Places	0	637	3,727	4,364
Ambulatory Health Care Services	0	0	2,651	2,652
Wholesalers	0	1,242	1,824	3,066
Amusement, Gambling, & Recreation Industries	0	94	2,179	2,273
Accommodation	0	795	1,437	2,232
Construction	0	1,728	676	2,404
Hospitals	0	0	1,760	1,760
Management of Companies & Enterprises	0	1,066	571	1,638
Educational Services	0	14	1,390	1,404
Food & Beverage Stores	0	55	1,446	1,501
Insurance Carriers & Related Activities	0	234	1,448	1,681
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	177	1,052	1,229
<i>All Other Industries</i>	233	7,386	21,571	29,190
<b>State Total</b>	<b>233</b>	<b>23,635</b>	<b>55,630</b>	<b>79,499</b>

Source: IHS Global Insight

Georgia Employment Contribution by State and Industry: Total Unconventional Activity				
(Number of workers)				
2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	791	968	1,759
Professional, Scientific, & Technical Services	0	923	799	1,721
Food Services & Drinking Places	0	157	933	1,090
Wholesalers	0	351	530	881
Real Estate	0	219	587	806
Ambulatory Health Care Services	0	0	550	550
Management of Companies & Enterprises	0	324	172	496
Hospitals	0	0	454	454
Educational Services	0	4	418	422
Construction	0	300	108	408
Fabricated Metal Product Manufacturing	0	342	56	398
Food Manufacturing	0	10	330	339
Insurance Carriers & Related Activities	0	44	284	328
General Merchandise Stores	0	11	308	319
Truck Transportation	0	140	175	315
<i>All Other Industries</i>	<i>0</i>	<i>2,402</i>	<i>5,815</i>	<i>8,217</i>
<b>State Total</b>	<b>0</b>	<b>6,017</b>	<b>12,487</b>	<b>18,505</b>
2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	1,449	1,776	3,226
Professional, Scientific, & Technical Services	0	1,631	1,424	3,055
Food Services & Drinking Places	0	267	1,587	1,854
Wholesalers	0	602	933	1,535
Real Estate	0	413	1,067	1,479
Ambulatory Health Care Services	0	0	970	970
Management of Companies & Enterprises	0	532	278	810
Hospitals	0	0	768	768
Educational Services	0	7	728	734
Construction	0	639	212	851
Fabricated Metal Product Manufacturing	0	561	100	662
Food Manufacturing	0	16	560	576
Insurance Carriers & Related Activities	0	78	484	562
General Merchandise Stores	0	19	527	546
Truck Transportation	0	230	295	525
<i>All Other Industries</i>	<i>0</i>	<i>4,160</i>	<i>10,147</i>	<i>14,307</i>
<b>State Total</b>	<b>0</b>	<b>10,604</b>	<b>21,855</b>	<b>32,458</b>
2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	1,798	2,166	3,964
Professional, Scientific, & Technical Services	0	2,053	1,859	3,912
Food Services & Drinking Places	0	311	1,855	2,166
Wholesalers	0	741	1,107	1,848
Real Estate	0	462	1,194	1,656
Ambulatory Health Care Services	0	0	1,185	1,185
Management of Companies & Enterprises	0	505	277	782
Hospitals	0	0	888	888
Educational Services	0	8	861	869
Construction	0	655	262	917
Fabricated Metal Product Manufacturing	0	717	125	842
Food Manufacturing	0	20	658	678
Insurance Carriers & Related Activities	0	96	586	682
General Merchandise Stores	0	21	588	610
Truck Transportation	0	293	350	643
<i>All Other Industries</i>	<i>0</i>	<i>5,028</i>	<i>12,103</i>	<i>17,130</i>
<b>State Total</b>	<b>0</b>	<b>12,706</b>	<b>26,065</b>	<b>38,771</b>

Source: IHS Global Insight

**Idaho Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	141	112	253
Administrative & Support Services	0	112	134	246
Food Services & Drinking Places	0	23	134	157
Wholesalers	0	49	73	122
Crop Production	0	19	86	105
Ambulatory Health Care Services	0	0	104	104
Real Estate	0	28	74	102
Food Manufacturing	0	3	91	94
Animal Production	0	3	90	93
Construction	0	62	22	84
Hospitals	0	0	72	72
Social Assistance	0	0	70	70
Computer & Electronic Product Manufacturing	0	45	22	67
Truck Transportation	0	29	36	66
Fabricated Metal Product Manufacturing	0	47	11	57
<i>All Other Industries</i>	4	390	965	1,359
<b>State Total</b>	<b>4</b>	<b>951</b>	<b>2,097</b>	<b>3,052</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	238	192	430
Administrative & Support Services	0	181	217	398
Food Services & Drinking Places	0	41	241	281
Wholesalers	0	83	128	211
Crop Production	0	32	149	181
Ambulatory Health Care Services	0	0	177	177
Real Estate	0	49	126	175
Food Manufacturing	0	5	152	157
Animal Production	0	5	154	159
Construction	0	101	31	133
Hospitals	0	0	154	154
Social Assistance	0	0	122	122
Computer & Electronic Product Manufacturing	0	68	35	103
Truck Transportation	0	44	56	101
Fabricated Metal Product Manufacturing	0	88	21	109
<i>All Other Industries</i>	3	728	1,722	2,453
<b>State Total</b>	<b>3</b>	<b>1,662</b>	<b>3,678</b>	<b>5,344</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	270	228	498
Administrative & Support Services	0	205	235	440
Food Services & Drinking Places	0	49	290	339
Wholesalers	0	113	168	281
Crop Production	0	36	160	197
Ambulatory Health Care Services	0	0	199	199
Real Estate	0	61	157	217
Food Manufacturing	0	6	194	200
Animal Production	0	6	165	171
Construction	0	88	31	119
Hospitals	0	0	221	221
Social Assistance	0	0	133	133
Computer & Electronic Product Manufacturing	0	67	33	100
Truck Transportation	0	49	58	107
Fabricated Metal Product Manufacturing	0	103	23	126
<i>All Other Industries</i>	9	917	2,054	2,980
<b>State Total</b>	<b>9</b>	<b>1,970</b>	<b>4,349</b>	<b>6,327</b>

Source: IHS Global Insight

**Illinois Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	0	1,825	1,416	3,241
Administrative & Support Services	0	1,413	1,646	3,058
Mining (except Oil & Gas)	2,759	130	20	2,909
Food Services & Drinking Places	0	273	1,610	1,883
Fabricated Metal Product Manufacturing	0	1,393	229	1,622
Wholesalers	0	686	885	1,572
Real Estate	0	353	964	1,317
Machinery Manufacturing	519	502	60	1,081
Ambulatory Health Care Services	0	0	1,031	1,032
Hospitals	0	0	997	997
Management of Companies & Enterprises	0	650	305	954
Religious, Grantmaking, Civic, Professional, & Educational Services	0	151	697	848
Securities, Commodity Contracts, & Other Financial Activities	0	8	791	799
Insurance Carriers & Related Activities	0	251	473	724
<i>All Other Industries</i>	143	95	601	696
<b>State Total</b>	<b>3,421</b>	<b>12,563</b>	<b>22,668</b>	<b>38,652</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	0	3,148	2,387	5,535
Administrative & Support Services	0	2,467	2,805	5,272
Mining (except Oil & Gas)	4,295	210	33	4,538
Food Services & Drinking Places	0	501	2,793	3,293
Fabricated Metal Product Manufacturing	0	2,321	390	2,712
Wholesalers	0	1,257	1,498	2,755
Real Estate	0	607	1,580	2,187
Machinery Manufacturing	1,446	785	102	2,333
Ambulatory Health Care Services	0	0	1,757	1,757
Hospitals	0	0	1,615	1,615
Management of Companies & Enterprises	0	1,133	508	1,641
Religious, Grantmaking, Civic, Professional, & Educational Services	0	254	1,169	1,423
Securities, Commodity Contracts, & Other Financial Activities	0	14	1,420	1,433
Insurance Carriers & Related Activities	0	446	808	1,254
<i>All Other Industries</i>	0	170	1,023	1,194
<i>All Other Industries</i>	281	8,465	18,914	27,660
<b>State Total</b>	<b>6,023</b>	<b>21,779</b>	<b>38,802</b>	<b>66,604</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	0	3,908	2,845	6,753
Administrative & Support Services	0	2,819	3,009	5,828
Mining (except Oil & Gas)	6,299	250	32	6,581
Food Services & Drinking Places	0	659	3,550	4,209
Fabricated Metal Product Manufacturing	8	2,748	442	3,199
Wholesalers	0	1,706	1,751	3,458
Real Estate	0	693	1,802	2,494
Machinery Manufacturing	2,506	870	112	3,489
Ambulatory Health Care Services	0	0	2,215	2,216
Hospitals	0	0	1,911	1,911
Management of Companies & Enterprises	0	1,424	623	2,047
Religious, Grantmaking, Civic, Professional, & Educational Services	0	316	1,394	1,710
Securities, Commodity Contracts, & Other Financial Activities	0	18	1,804	1,821
Insurance Carriers & Related Activities	0	599	970	1,569
<i>All Other Industries</i>	0	217	1,267	1,483
<i>All Other Industries</i>	367	10,353	23,330	34,049
<b>State Total</b>	<b>9,180</b>	<b>26,581</b>	<b>47,056</b>	<b>82,817</b>

Source: IHS Global Insight

Indiana Employment Contribution by State and Industry: Total Unconventional Activity				
(Number of workers)				
2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	535	635	1,171
Primary Metal Manufacturing	0	908	80	989
Fabricated Metal Product Manufacturing	48	804	120	973
Food Services & Drinking Places	0	124	672	796
Professional, Scientific, & Technical Services	0	420	332	752
Transportation Equipment Manufacturing	0	249	461	710
Wholesalers	0	230	318	548
Real Estate	0	140	369	509
Ambulatory Health Care Services	0	0	450	450
Machinery Manufacturing	91	277	38	406
Hospitals	0	0	389	389
Construction	0	270	111	381
Truck Transportation	0	170	204	374
Plastics & Rubber Products Manufacturing	0	210	130	340
Educational Services	0	3	292	296
<i>All Other Industries</i>	2	1,774	5,114	6,891
<b>State Total</b>	<b>141</b>	<b>6,114</b>	<b>9,718</b>	<b>15,973</b>
2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	943	1,105	2,048
Primary Metal Manufacturing	0	1,427	135	1,563
Fabricated Metal Product Manufacturing	214	1,334	210	1,758
Food Services & Drinking Places	0	211	1,124	1,335
Professional, Scientific, & Technical Services	0	743	564	1,307
Transportation Equipment Manufacturing	0	421	836	1,258
Wholesalers	0	391	541	932
Real Estate	0	257	653	910
Ambulatory Health Care Services	0	0	744	744
Machinery Manufacturing	150	419	62	631
Hospitals	0	0	658	658
Construction	0	467	171	638
Truck Transportation	0	278	340	617
Plastics & Rubber Products Manufacturing	0	374	233	608
Educational Services	0	5	509	514
<i>All Other Industries</i>	5	3,009	8,769	11,783
<b>State Total</b>	<b>369</b>	<b>10,279</b>	<b>16,655</b>	<b>27,303</b>
2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	1,232	1,334	2,565
Primary Metal Manufacturing	0	1,766	158	1,924
Fabricated Metal Product Manufacturing	567	1,818	276	2,661
Food Services & Drinking Places	0	284	1,360	1,644
Professional, Scientific, & Technical Services	0	933	674	1,607
Transportation Equipment Manufacturing	0	475	1,016	1,490
Wholesalers	0	549	655	1,203
Real Estate	0	311	776	1,087
Ambulatory Health Care Services	0	0	854	854
Machinery Manufacturing	337	537	75	949
Hospitals	0	0	741	741
Construction	0	483	197	679
Truck Transportation	0	337	363	700
Plastics & Rubber Products Manufacturing	0	459	280	739
Educational Services	0	6	610	616
<i>All Other Industries</i>	10	3,648	10,247	13,905
<b>State Total</b>	<b>915</b>	<b>12,836</b>	<b>19,615</b>	<b>33,366</b>

Source: IHS Global Insight

Iowa Employment Contribution by State and Industry: Total Unconventional Activity (Number of workers)				
2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	248	256	504
Crop Production	0	80	360	440
Food Services & Drinking Places	0	61	328	390
Primary Metal Manufacturing	193	160	19	371
Wholesalers	0	172	191	363
Mining (except Oil & Gas)	326	29	4	358
Professional, Scientific, & Technical Services	0	191	155	346
Fabricated Metal Product Manufacturing	18	259	39	316
Food Manufacturing	0	13	275	288
Truck Transportation	0	126	128	253
Construction	0	158	57	215
Insurance Carriers & Related Activities	0	29	184	213
Hospitals	0	0	212	212
Real Estate	0	53	140	193
Ambulatory Health Care Services	0	0	186	186
<i>All Other Industries</i>	<i>0</i>	<i>1,126</i>	<i>2,976</i>	<i>4,102</i>
<b>State Total</b>	<b>536</b>	<b>2,704</b>	<b>5,510</b>	<b>8,751</b>
2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	409	430	839
Crop Production	0	142	661	803
Food Services & Drinking Places	0	101	541	642
Primary Metal Manufacturing	268	235	29	531
Wholesalers	0	271	309	580
Mining (except Oil & Gas)	451	44	7	501
Professional, Scientific, & Technical Services	0	325	256	581
Fabricated Metal Product Manufacturing	84	479	71	634
Food Manufacturing	0	22	474	496
Truck Transportation	0	204	216	420
Construction	0	315	101	417
Insurance Carriers & Related Activities	0	45	273	318
Hospitals	0	0	333	333
Real Estate	0	89	227	316
Ambulatory Health Care Services	0	0	309	309
<i>All Other Industries</i>	<i>0</i>	<i>1,891</i>	<i>5,020</i>	<i>6,911</i>
<b>State Total</b>	<b>803</b>	<b>4,571</b>	<b>9,257</b>	<b>14,631</b>
2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	534	587	1,122
Crop Production	0	188	834	1,021
Food Services & Drinking Places	0	113	641	755
Primary Metal Manufacturing	168	277	31	476
Wholesalers	0	292	350	642
Mining (except Oil & Gas)	900	32	4	935
Professional, Scientific, & Technical Services	0	387	297	683
Fabricated Metal Product Manufacturing	172	767	106	1,045
Food Manufacturing	0	24	558	582
Truck Transportation	0	274	278	552
Construction	0	358	133	491
Insurance Carriers & Related Activities	0	53	307	360
Hospitals	0	0	355	355
Real Estate	0	99	258	358
Ambulatory Health Care Services	0	0	372	372
<i>All Other Industries</i>	<i>0</i>	<i>2,443</i>	<i>6,128</i>	<i>8,571</i>
<b>State Total</b>	<b>1,239</b>	<b>5,841</b>	<b>11,239</b>	<b>18,320</b>

Source: IHS Global Insight

**Kansas Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	34	459	252	745
Administrative & Support Services	0	387	353	740
Oil and Gas Extraction	592	64	20	676
Construction	281	228	57	566
Food Services & Drinking Places	0	94	443	537
Fabricated Metal Product Manufacturing	215	171	29	415
Wholesalers	0	194	203	397
Machinery Manufacturing	259	74	11	344
Real Estate	0	98	224	322
Ambulatory Health Care Services	0	0	300	300
Support Activities for Mining	266	32	1	299
Crop Production	0	48	215	262
Chemical Manufacturing	188	30	29	247
Utilities	139	69	32	241
Hospitals	0	0	230	230
<i>All Other Industries</i>	96	1,248	3,366	4,710
<b>State Total</b>	<b>2,070</b>	<b>3,196</b>	<b>5,765</b>	<b>11,032</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	146	1,116	494	1,755
Administrative & Support Services	0	829	694	1,523
Oil and Gas Extraction	2,864	107	29	2,999
Construction	864	727	119	1,710
Food Services & Drinking Places	0	207	984	1,191
Fabricated Metal Product Manufacturing	365	303	52	719
Wholesalers	0	399	408	807
Machinery Manufacturing	250	123	21	393
Real Estate	0	220	457	677
Ambulatory Health Care Services	0	0	659	659
Support Activities for Mining	821	74	2	896
Crop Production	0	83	382	465
Chemical Manufacturing	367	57	50	474
Utilities	316	151	65	531
Hospitals	0	0	504	504
<i>All Other Industries</i>	236	2,666	7,132	10,034
<b>State Total</b>	<b>6,228</b>	<b>7,061</b>	<b>12,051</b>	<b>25,340</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	273	2,066	759	3,098
Administrative & Support Services	0	1,352	977	2,329
Oil and Gas Extraction	6,079	127	29	6,234
Construction	1,750	1,368	179	3,297
Food Services & Drinking Places	0	358	1,664	2,022
Fabricated Metal Product Manufacturing	592	586	95	1,272
Wholesalers	0	674	612	1,286
Machinery Manufacturing	531	223	36	790
Real Estate	0	369	708	1,077
Ambulatory Health Care Services	0	0	1,122	1,122
Support Activities for Mining	1,683	123	2	1,807
Crop Production	0	103	451	554
Chemical Manufacturing	601	76	55	733
Utilities	616	259	97	972
Hospitals	0	0	827	827
<i>All Other Industries</i>	453	4,603	11,483	16,539
<b>State Total</b>	<b>12,578</b>	<b>12,286</b>	<b>19,095</b>	<b>43,959</b>

Source: IHS Global Insight

**Kentucky Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	340	400	740
Professional, Scientific, & Technical Services	0	296	258	553
Food Services & Drinking Places	0	77	441	518
Wholesalers	0	141	191	331
Fabricated Metal Product Manufacturing	32	254	39	325
Transportation Equipment Manufacturing	0	122	187	309
Mining (except Oil & Gas)	0	241	59	300
Ambulatory Health Care Services	0	0	278	278
Hospitals	0	0	259	259
Primary Metal Manufacturing	46	184	28	258
Real Estate	0	69	182	251
Animal Production	0	8	223	231
Crop Production	0	40	182	222
Construction	0	148	54	202
Couriers & Messengers	0	86	107	193
<i>All Other Industries</i>	3	1,451	3,189	4,643
<b>State Total</b>	<b>81</b>	<b>3,455</b>	<b>6,078</b>	<b>9,614</b>

2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	596	696	1,292
Professional, Scientific, & Technical Services	0	524	443	967
Food Services & Drinking Places	0	129	724	853
Wholesalers	0	237	322	559
Fabricated Metal Product Manufacturing	149	443	71	663
Transportation Equipment Manufacturing	0	209	328	537
Mining (except Oil & Gas)	0	344	85	430
Ambulatory Health Care Services	0	0	468	468
Hospitals	0	0	444	444
Primary Metal Manufacturing	75	331	49	455
Real Estate	0	123	310	432
Animal Production	0	14	400	414
Crop Production	0	70	327	397
Construction	0	284	95	379
Couriers & Messengers	0	150	186	335
<i>All Other Industries</i>	5	2,414	5,551	7,970
<b>State Total</b>	<b>229</b>	<b>5,868</b>	<b>10,498</b>	<b>16,595</b>

2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	739	807	1,547
Professional, Scientific, & Technical Services	0	549	449	998
Food Services & Drinking Places	0	150	791	941
Wholesalers	0	324	379	702
Fabricated Metal Product Manufacturing	345	699	105	1,149
Transportation Equipment Manufacturing	0	246	403	649
Mining (except Oil & Gas)	0	326	80	406
Ambulatory Health Care Services	0	0	532	532
Hospitals	0	0	497	497
Primary Metal Manufacturing	151	560	65	776
Real Estate	0	139	343	482
Animal Production	0	18	501	518
Crop Production	0	90	401	491
Construction	0	296	114	410
Couriers & Messengers	0	183	217	400
<i>All Other Industries</i>	10	3,041	6,692	9,743
<b>State Total</b>	<b>506</b>	<b>7,361</b>	<b>12,376</b>	<b>20,243</b>

Source: IHS Global Insight

**Louisiana Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Support Activities for Mining	9,641	1,946	39	11,626
Construction	5,484	2,802	308	8,593
Professional, Scientific, & Technical Services	689	6,212	1,267	8,168
Oil and Gas Extraction	4,592	346	88	5,026
Food Services & Drinking Places	0	718	3,120	3,838
Administrative & Support Services	0	2,474	1,362	3,837
Fabricated Metal Product Manufacturing	1,266	827	68	2,161
Ambulatory Health Care Services	0	0	2,106	2,106
Wholesalers	0	1,188	918	2,106
Utilities	1,413	191	128	1,732
Real Estate	0	594	1,068	1,662
Hospitals	0	0	1,459	1,459
Management of Companies & Enterprises	0	1,257	187	1,444
Social Assistance	0	0	1,322	1,322
Truck Transportation	587	466	254	1,307
<i>All Other Industries</i>	<i>642</i>	<i>6,489</i>	<i>15,450</i>	<i>22,581</i>
<b>State Total</b>	<b>24,314</b>	<b>25,511</b>	<b>29,142</b>	<b>78,968</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Support Activities for Mining	10,033	995	19	11,046
Construction	4,925	3,847	407	9,179
Professional, Scientific, & Technical Services	932	5,631	1,606	8,170
Oil and Gas Extraction	6,211	633	163	7,006
Food Services & Drinking Places	0	926	4,185	5,111
Administrative & Support Services	0	3,267	1,872	5,138
Fabricated Metal Product Manufacturing	1,910	1,146	111	3,167
Ambulatory Health Care Services	0	0	2,807	2,808
Wholesalers	0	1,593	1,261	2,854
Utilities	1,618	264	174	2,056
Real Estate	0	808	1,479	2,287
Hospitals	0	0	1,938	1,938
Management of Companies & Enterprises	0	1,688	267	1,955
Social Assistance	0	0	1,782	1,782
Truck Transportation	843	673	382	1,898
<i>All Other Industries</i>	<i>905</i>	<i>8,843</i>	<i>21,274</i>	<i>31,022</i>
<b>State Total</b>	<b>27,377</b>	<b>30,313</b>	<b>39,728</b>	<b>97,418</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Support Activities for Mining	16,274	1,291	22	17,588
Construction	15,227	5,790	581	21,598
Professional, Scientific, & Technical Services	1,810	8,622	2,220	12,653
Oil and Gas Extraction	9,144	845	219	10,208
Food Services & Drinking Places	0	1,358	6,073	7,431
Administrative & Support Services	0	4,854	2,606	7,459
Fabricated Metal Product Manufacturing	1,535	1,557	148	3,239
Ambulatory Health Care Services	0	0	4,214	4,215
Wholesalers	0	2,288	1,795	4,083
Utilities	2,526	372	242	3,141
Real Estate	0	1,185	2,121	3,305
Hospitals	0	0	2,860	2,860
Management of Companies & Enterprises	0	2,458	329	2,786
Social Assistance	0	0	2,579	2,579
Truck Transportation	1,366	1,000	527	2,893
<i>All Other Industries</i>	<i>1,194</i>	<i>12,969</i>	<i>30,701</i>	<i>44,864</i>
<b>State Total</b>	<b>49,076</b>	<b>44,590</b>	<b>57,237</b>	<b>150,903</b>

Source: IHS Global Insight

**Maine Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	96	79	175
Administrative & Support Services	0	71	86	157
Food Services & Drinking Places	0	22	131	153
Hospitals	0	0	114	114
Social Assistance	0	0	100	100
Real Estate	0	27	73	100
Ambulatory Health Care Services	0	0	89	89
Educational Services	0	1	84	85
Nursing & Residential Care Facilities	0	0	84	84
Wholesalers	0	33	49	82
Fabricated Metal Product Manufacturing	0	68	12	80
Construction	0	54	22	75
Nonstore Retailers	0	3	70	73
Accommodation	0	18	52	71
Management of Companies & Enterprises	0	41	22	63
<i>All Other Industries</i>	0	332	935	1,267
<b>State Total</b>	<b>0</b>	<b>766</b>	<b>2,003</b>	<b>2,769</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	161	131	292
Administrative & Support Services	0	119	145	264
Food Services & Drinking Places	0	37	222	259
Hospitals	0	0	198	198
Social Assistance	0	0	173	173
Real Estate	0	49	128	177
Ambulatory Health Care Services	0	0	135	135
Educational Services	0	1	132	133
Nursing & Residential Care Facilities	0	0	137	137
Wholesalers	0	54	84	138
Fabricated Metal Product Manufacturing	0	113	21	134
Construction	0	85	30	115
Nonstore Retailers	0	4	99	103
Accommodation	0	22	71	92
Management of Companies & Enterprises	0	65	34	99
<i>All Other Industries</i>	0	553	1,568	2,122
<b>State Total</b>	<b>0</b>	<b>1,264</b>	<b>3,307</b>	<b>4,571</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	167	138	304
Administrative & Support Services	0	134	161	295
Food Services & Drinking Places	0	40	236	276
Hospitals	0	0	224	224
Social Assistance	0	0	196	196
Real Estate	0	53	137	190
Ambulatory Health Care Services	0	0	135	135
Educational Services	0	1	126	127
Nursing & Residential Care Facilities	0	0	145	145
Wholesalers	0	61	91	151
Fabricated Metal Product Manufacturing	0	143	27	171
Construction	0	79	30	110
Nonstore Retailers	0	5	94	98
Accommodation	0	12	71	83
Management of Companies & Enterprises	0	60	33	93
<i>All Other Industries</i>	0	654	1,755	2,409
<b>State Total</b>	<b>0</b>	<b>1,409</b>	<b>3,598</b>	<b>5,007</b>

Source: IHS Global Insight

**Maryland Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	953	696	1,649
Administrative & Support Services	0	424	516	940
Real Estate	0	189	506	695
Food Services & Drinking Places	0	93	556	649
Construction	0	354	149	504
Ambulatory Health Care Services	0	0	402	402
Wholesalers	0	151	227	377
Hospitals	0	0	370	370
Educational Services	0	4	359	363
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	46	262	309
Nursing & Residential Care Facilities	0	0	248	248
Social Assistance	0	0	237	237
Food & Beverage Stores	0	9	227	236
Repair & Maintenance	0	69	153	222
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	65	147	212
<i>All Other Industries</i>	2	1,393	2,942	4,336
<b>State Total</b>	<b>2</b>	<b>3,750</b>	<b>7,997</b>	<b>11,749</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,610	1,148	2,758
Administrative & Support Services	0	702	851	1,553
Real Estate	0	337	872	1,209
Food Services & Drinking Places	0	161	957	1,118
Construction	0	725	257	982
Ambulatory Health Care Services	0	0	707	707
Wholesalers	0	242	375	617
Hospitals	0	0	626	626
Educational Services	0	6	614	619
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	90	487	577
Nursing & Residential Care Facilities	0	0	423	423
Social Assistance	0	0	392	392
Food & Beverage Stores	0	15	395	410
Repair & Maintenance	0	108	231	339
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	111	252	362
<i>All Other Industries</i>	3	2,372	4,991	7,366
<b>State Total</b>	<b>3</b>	<b>6,479</b>	<b>13,578</b>	<b>20,059</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,456	1,034	2,491
Administrative & Support Services	0	811	961	1,772
Real Estate	0	381	985	1,366
Food Services & Drinking Places	0	193	1,153	1,346
Construction	0	789	297	1,086
Ambulatory Health Care Services	0	0	818	818
Wholesalers	0	291	434	725
Hospitals	0	0	684	684
Educational Services	0	7	805	812
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	128	626	755
Nursing & Residential Care Facilities	0	0	460	460
Social Assistance	0	0	405	405
Food & Beverage Stores	0	18	471	489
Repair & Maintenance	0	119	240	359
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	121	265	386
<i>All Other Industries</i>	6	2,615	5,668	8,288
<b>State Total</b>	<b>6</b>	<b>6,929</b>	<b>15,306</b>	<b>22,241</b>

Source: IHS Global Insight

America's New Energy Future: The Unconventional Oil and Gas Revolution and the US Economy  
Appendix B – Employment Contributions by State, Industry, and Year

**Massachusetts Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,092	832	1,923
Administrative & Support Services	0	495	612	1,106
Food Services & Drinking Places	0	125	740	865
Educational Services	0	7	659	665
Hospitals	0	0	631	631
Real Estate	0	166	443	609
Wholesalers	0	221	330	551
Fabricated Metal Product Manufacturing	0	455	79	534
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	162	368	530
Ambulatory Health Care Services	0	0	529	530
Management of Companies & Enterprises	0	330	174	504
Social Assistance	0	0	373	373
Construction	0	247	110	357
Nursing & Residential Care Facilities	0	0	350	350
Food & Beverage Stores	0	13	338	350
<i>All Other Industries</i>	24	1,736	4,256	6,017
<b>State Total</b>	<b>24</b>	<b>5,048</b>	<b>10,824</b>	<b>15,896</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,805	1,375	3,180
Administrative & Support Services	0	830	1,020	1,850
Food Services & Drinking Places	0	209	1,229	1,438
Educational Services	0	11	1,127	1,139
Hospitals	0	0	1,042	1,043
Real Estate	0	274	706	980
Wholesalers	0	368	558	925
Fabricated Metal Product Manufacturing	0	736	133	869
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	268	608	876
Ambulatory Health Care Services	0	0	872	872
Management of Companies & Enterprises	0	529	273	802
Social Assistance	0	0	638	638
Construction	0	469	192	661
Nursing & Residential Care Facilities	0	0	558	558
Food & Beverage Stores	0	22	572	595
<i>All Other Industries</i>	94	2,915	7,012	10,021
<b>State Total</b>	<b>94</b>	<b>8,437</b>	<b>17,915</b>	<b>26,446</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,903	1,485	3,389
Administrative & Support Services	0	882	1,055	1,937
Food Services & Drinking Places	0	234	1,361	1,595
Educational Services	0	13	1,173	1,186
Hospitals	0	0	1,090	1,090
Real Estate	0	269	684	953
Wholesalers	0	424	598	1,022
Fabricated Metal Product Manufacturing	0	645	112	757
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	307	666	973
Ambulatory Health Care Services	0	0	930	930
Management of Companies & Enterprises	0	497	260	756
Social Assistance	0	0	692	692
Construction	0	460	229	689
Nursing & Residential Care Facilities	0	0	561	561
Food & Beverage Stores	0	23	614	637
<i>All Other Industries</i>	244	3,142	7,539	10,924
<b>State Total</b>	<b>244</b>	<b>8,798</b>	<b>19,048</b>	<b>28,090</b>

Source: IHS Global Insight

**Michigan Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Machinery Manufacturing	7,922	421	46	8,389
Professional, Scientific, & Technical Services	0	1,601	1,011	2,611
Administrative & Support Services	0	1,181	1,291	2,472
Food Services & Drinking Places	0	312	1,603	1,915
Fabricated Metal Product Manufacturing	0	1,257	173	1,430
Real Estate	0	348	837	1,185
Wholesalers	0	536	599	1,134
Ambulatory Health Care Services	0	0	1,127	1,127
Hospitals	0	0	992	992
Transportation Equipment Manufacturing	0	219	549	768
Management of Companies & Enterprises	0	581	186	767
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	101	539	639
Social Assistance	0	0	606	606
General Merchandise Stores	0	14	556	571
Primary Metal Manufacturing	0	525	41	566
<i>All Other Industries</i>	95	3,454	9,126	12,674
<b>State Total</b>	<b>8,017</b>	<b>10,551</b>	<b>19,280</b>	<b>37,848</b>

2020	Direct	Indirect	Induced	Total
Machinery Manufacturing	13,067	744	87	13,897
Professional, Scientific, & Technical Services	0	2,791	1,699	4,490
Administrative & Support Services	0	1,951	2,095	4,046
Food Services & Drinking Places	0	547	2,755	3,302
Fabricated Metal Product Manufacturing	0	2,371	337	2,708
Real Estate	0	609	1,421	2,030
Wholesalers	0	921	1,020	1,941
Ambulatory Health Care Services	0	0	1,845	1,846
Hospitals	0	0	1,645	1,645
Transportation Equipment Manufacturing	0	397	898	1,295
Management of Companies & Enterprises	0	996	304	1,300
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	167	900	1,067
Social Assistance	0	0	1,036	1,036
General Merchandise Stores	0	25	954	979
Primary Metal Manufacturing	0	960	78	1,038
<i>All Other Industries</i>	292	6,123	15,515	21,930
<b>State Total</b>	<b>13,359</b>	<b>18,601</b>	<b>32,590</b>	<b>64,551</b>

2035	Direct	Indirect	Induced	Total
Machinery Manufacturing	14,771	1,025	114	15,910
Professional, Scientific, & Technical Services	0	3,540	2,100	5,640
Administrative & Support Services	0	2,256	2,301	4,557
Food Services & Drinking Places	0	691	3,386	4,077
Fabricated Metal Product Manufacturing	0	3,448	483	3,931
Real Estate	0	723	1,667	2,390
Wholesalers	0	1,199	1,241	2,440
Ambulatory Health Care Services	0	0	2,150	2,150
Hospitals	0	0	1,928	1,928
Transportation Equipment Manufacturing	0	507	1,014	1,521
Management of Companies & Enterprises	0	1,331	417	1,747
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	202	1,056	1,258
Social Assistance	0	0	1,284	1,284
General Merchandise Stores	0	29	1,165	1,194
Primary Metal Manufacturing	0	1,437	109	1,546
<i>All Other Industries</i>	647	7,725	18,687	27,059
<b>State Total</b>	<b>15,418</b>	<b>24,114</b>	<b>39,101</b>	<b>78,632</b>

Source: IHS Global Insight

**Minnesota Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Mining (except Oil & Gas)	2,327	144	7	2,478
Professional, Scientific, & Technical Services	0	721	527	1,248
Administrative & Support Services	0	487	575	1,062
Food Services & Drinking Places	0	113	736	849
Real Estate	0	187	531	718
Management of Companies & Enterprises	0	440	219	659
Wholesalers	0	252	394	646
Fabricated Metal Product Manufacturing	0	524	99	623
Ambulatory Health Care Services	0	0	576	576
Social Assistance	0	0	483	483
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	81	366	448
Hospitals	0	0	441	441
Nursing & Residential Care Facilities	0	0	433	433
Crop Production	0	70	316	386
Educational Services	0	3	375	379
<i>All Other Industries</i>	0	2,495	5,179	7,674
<b>State Total</b>	<b>2,327</b>	<b>5,518</b>	<b>11,258</b>	<b>19,103</b>

2020	Direct	Indirect	Induced	Total
Mining (except Oil & Gas)	4,794	240	11	5,045
Professional, Scientific, & Technical Services	0	1,331	930	2,261
Administrative & Support Services	0	878	1,028	1,906
Food Services & Drinking Places	0	202	1,334	1,536
Real Estate	0	351	979	1,330
Management of Companies & Enterprises	0	763	367	1,130
Wholesalers	0	433	697	1,129
Fabricated Metal Product Manufacturing	0	888	172	1,061
Ambulatory Health Care Services	0	0	1,014	1,014
Social Assistance	0	0	865	865
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	153	665	818
Hospitals	0	0	774	774
Nursing & Residential Care Facilities	0	0	794	794
Crop Production	0	113	529	642
Educational Services	0	6	707	713
<i>All Other Industries</i>	0	4,508	9,291	13,799
<b>State Total</b>	<b>4,794</b>	<b>9,866</b>	<b>20,155</b>	<b>34,815</b>

2035	Direct	Indirect	Induced	Total
Mining (except Oil & Gas)	6,087	326	14	6,427
Professional, Scientific, & Technical Services	0	1,686	1,123	2,808
Administrative & Support Services	0	1,003	1,111	2,114
Food Services & Drinking Places	0	269	1,690	1,958
Real Estate	0	409	1,155	1,564
Management of Companies & Enterprises	0	843	406	1,249
Wholesalers	0	591	875	1,466
Fabricated Metal Product Manufacturing	0	998	181	1,179
Ambulatory Health Care Services	0	0	1,203	1,203
Social Assistance	0	0	997	997
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	209	848	1,057
Hospitals	0	0	926	926
Nursing & Residential Care Facilities	0	0	968	968
Crop Production	0	136	609	745
Educational Services	0	7	867	874
<i>All Other Industries</i>	182	5,527	11,446	17,155
<b>State Total</b>	<b>6,269</b>	<b>12,004</b>	<b>24,417</b>	<b>42,691</b>

Source: IHS Global Insight

**Mississippi Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	151	184	335
Food Services & Drinking Places	0	40	240	280
Professional, Scientific, & Technical Services	0	124	107	231
Accommodation	0	69	125	194
Ambulatory Health Care Services	0	0	164	164
Real Estate	0	43	114	157
Furniture & Related Product Manufacturing	0	4	148	153
Postal Service	0	53	93	146
Wholesalers	0	58	87	145
Food Manufacturing	0	5	136	141
Crop Production	0	24	110	135
Construction	0	90	30	119
Fabricated Metal Product Manufacturing	0	100	19	119
General Merchandise Stores	0	4	109	113
Animal Production	0	4	108	112
<i>All Other Industries</i>	<i>0</i>	<i>831</i>	<i>1,707</i>	<i>2,538</i>
<b>State Total</b>	<b>0</b>	<b>1,601</b>	<b>3,481</b>	<b>5,082</b>

2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	280	341	621
Food Services & Drinking Places	0	67	401	468
Professional, Scientific, & Technical Services	0	226	185	411
Accommodation	0	112	213	325
Ambulatory Health Care Services	0	0	312	312
Real Estate	0	75	193	268
Furniture & Related Product Manufacturing	0	10	302	313
Postal Service	0	100	177	278
Wholesalers	0	95	148	243
Food Manufacturing	0	8	229	237
Crop Production	0	45	208	252
Construction	0	179	53	232
Fabricated Metal Product Manufacturing	0	173	34	207
General Merchandise Stores	0	7	177	183
Animal Production	0	7	195	202
<i>All Other Industries</i>	<i>3</i>	<i>1,401</i>	<i>2,931</i>	<i>4,335</i>
<b>State Total</b>	<b>3</b>	<b>2,786</b>	<b>6,099</b>	<b>8,887</b>

2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	731	624	1,355
Food Services & Drinking Places	0	187	989	1,177
Professional, Scientific, & Technical Services	157	911	350	1,419
Accommodation	0	160	292	452
Ambulatory Health Care Services	0	0	707	707
Real Estate	0	187	389	577
Furniture & Related Product Manufacturing	0	14	325	339
Postal Service	0	127	208	335
Wholesalers	0	243	272	515
Food Manufacturing	0	9	266	275
Crop Production	0	65	273	338
Construction	1,005	720	109	1,835
Fabricated Metal Product Manufacturing	0	193	34	227
General Merchandise Stores	0	30	349	378
Animal Production	0	9	246	254
<i>All Other Industries</i>	<i>3,807</i>	<i>2,670</i>	<i>5,783</i>	<i>12,259</i>
<b>State Total</b>	<b>4,969</b>	<b>6,256</b>	<b>11,216</b>	<b>22,441</b>

Source: IHS Global Insight

Missouri Employment Contribution by State and Industry: Total Unconventional Activity (Number of workers)				
2012	Direct	Indirect	Induced	Total
Machinery Manufacturing	11,117	155	27	11,299
Professional, Scientific, & Technical Services	0	1,184	697	1,881
Administrative & Support Services	0	939	888	1,827
Food Services & Drinking Places	0	314	1,466	1,780
Mining (except Oil & Gas)	1,251	77	9	1,338
Real Estate	0	369	788	1,158
Wholesalers	0	577	556	1,133
Management of Companies & Enterprises	0	771	216	988
Ambulatory Health Care Services	0	0	942	942
Hospitals	0	0	818	818
Truck Transportation	0	466	202	668
Social Assistance	0	0	624	624
Nursing & Residential Care Facilities	0	0	541	541
Educational Services	0	4	508	512
Insurance Carriers & Related Activities	0	72	433	504
<i>All Other Industries</i>	36	3,645	8,024	11,705
<b>State Total</b>	<b>12,404</b>	<b>8,574</b>	<b>16,739</b>	<b>37,716</b>
2020	Direct	Indirect	Induced	Total
Machinery Manufacturing	18,652	286	51	18,989
Professional, Scientific, & Technical Services	0	2,119	1,206	3,325
Administrative & Support Services	0	1,646	1,561	3,206
Food Services & Drinking Places	0	544	2,511	3,056
Mining (except Oil & Gas)	1,955	114	14	2,083
Real Estate	0	653	1,365	2,018
Wholesalers	0	992	954	1,946
Management of Companies & Enterprises	0	1,305	349	1,655
Ambulatory Health Care Services	0	0	1,585	1,585
Hospitals	0	0	1,373	1,373
Truck Transportation	0	798	339	1,138
Social Assistance	0	0	1,068	1,068
Nursing & Residential Care Facilities	0	0	899	899
Educational Services	0	7	871	878
Insurance Carriers & Related Activities	0	125	732	857
<i>All Other Industries</i>	54	6,285	13,815	20,153
<b>State Total</b>	<b>20,661</b>	<b>14,874</b>	<b>28,693</b>	<b>64,228</b>
2035	Direct	Indirect	Induced	Total
Machinery Manufacturing	18,670	421	75	19,166
Professional, Scientific, & Technical Services	0	2,513	1,407	3,920
Administrative & Support Services	0	1,871	1,782	3,652
Food Services & Drinking Places	0	611	2,866	3,477
Mining (except Oil & Gas)	2,346	118	14	2,477
Real Estate	0	720	1,520	2,240
Wholesalers	0	1,121	1,077	2,198
Management of Companies & Enterprises	0	1,359	353	1,713
Ambulatory Health Care Services	0	0	1,765	1,765
Hospitals	0	0	1,479	1,479
Truck Transportation	0	911	382	1,293
Social Assistance	0	0	1,182	1,182
Nursing & Residential Care Facilities	0	0	971	971
Educational Services	0	8	992	1,000
Insurance Carriers & Related Activities	0	138	806	945
<i>All Other Industries</i>	41	7,449	15,826	23,315
<b>State Total</b>	<b>21,057</b>	<b>17,240</b>	<b>32,498</b>	<b>70,794</b>

Source: IHS Global Insight

**Montana Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Oil and Gas Extraction	1,954	19	6	1,979
Construction	208	491	47	747
Professional, Scientific, & Technical Services	24	540	174	738
Food Services & Drinking Places	0	67	424	491
Administrative & Support Services	0	260	188	448
Real Estate	0	120	195	315
Ambulatory Health Care Services	0	0	264	264
Wholesalers	0	107	135	242
Hospitals	0	0	240	240
Support Activities for Mining	181	44	1	226
Utilities	149	37	22	208
Social Assistance	0	0	191	191
Repair & Maintenance	0	58	100	158
Truck Transportation	65	43	42	150
Insurance Carriers & Related Activities	32	43	70	145
<i>All Other Industries</i>	1	859	2,234	3,094
<b>State Total</b>	<b>2,615</b>	<b>2,687</b>	<b>4,332</b>	<b>9,634</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Oil and Gas Extraction	2,919	40	13	2,972
Construction	689	797	81	1,567
Professional, Scientific, & Technical Services	113	975	304	1,391
Food Services & Drinking Places	0	132	723	855
Administrative & Support Services	0	469	319	788
Real Estate	0	212	339	550
Ambulatory Health Care Services	0	0	452	453
Wholesalers	0	195	228	424
Hospitals	0	0	415	415
Support Activities for Mining	501	68	1	571
Utilities	208	61	36	305
Social Assistance	0	0	324	324
Repair & Maintenance	0	110	170	280
Truck Transportation	106	75	67	248
Insurance Carriers & Related Activities	46	70	118	235
<i>All Other Industries</i>	1	1,532	3,889	5,421
<b>State Total</b>	<b>4,584</b>	<b>4,737</b>	<b>7,478</b>	<b>16,799</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Oil and Gas Extraction	2,549	60	20	2,629
Construction	991	799	95	1,886
Professional, Scientific, & Technical Services	168	1,131	333	1,632
Food Services & Drinking Places	0	162	799	962
Administrative & Support Services	0	560	365	925
Real Estate	0	237	380	617
Ambulatory Health Care Services	0	0	506	506
Wholesalers	0	237	258	495
Hospitals	0	0	464	464
Support Activities for Mining	711	85	1	798
Utilities	295	61	37	393
Social Assistance	0	0	358	358
Repair & Maintenance	0	134	186	320
Truck Transportation	151	97	74	322
Insurance Carriers & Related Activities	66	98	141	304
<i>All Other Industries</i>	1	1,772	4,427	6,201
<b>State Total</b>	<b>4,933</b>	<b>5,432</b>	<b>8,445</b>	<b>18,811</b>

Source: IHS Global Insight

**Nebraska Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	0	226	160	386
Primary Metal Manufacturing	337	44	2	384
Administrative & Support Services	0	211	161	373
Fabricated Metal Product Manufacturing	244	93	13	350
Wholesalers	0	185	121	306
Food Services & Drinking Places	0	61	238	299
Crop Production	0	39	178	218
Truck Transportation	0	113	99	212
Rail Transportation	0	127	61	188
Food Manufacturing	0	6	180	186
Insurance Carriers & Related Activities	0	26	153	179
Management of Companies & Enterprises	0	121	52	173
Real Estate	0	49	116	165
Hospitals	0	0	164	164
Ambulatory Health Care Services	0	0	151	151
<i>All Other Industries</i>	<i>0</i>	<i>728</i>	<i>1,801</i>	<i>2,529</i>
<b>State Total</b>	<b>581</b>	<b>2,030</b>	<b>3,650</b>	<b>6,261</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	0	367	271	638
Primary Metal Manufacturing	469	81	5	555
Administrative & Support Services	0	324	252	575
Fabricated Metal Product Manufacturing	356	164	24	543
Wholesalers	0	283	197	480
Food Services & Drinking Places	0	97	394	491
Crop Production	0	66	306	371
Truck Transportation	0	184	171	355
Rail Transportation	0	199	98	298
Food Manufacturing	0	10	308	318
Insurance Carriers & Related Activities	0	45	261	306
Management of Companies & Enterprises	0	256	116	372
Real Estate	0	86	198	284
Hospitals	0	0	274	274
Ambulatory Health Care Services	0	0	254	254
<i>All Other Industries</i>	<i>0</i>	<i>1,243</i>	<i>3,124</i>	<i>4,367</i>
<b>State Total</b>	<b>825</b>	<b>3,404</b>	<b>6,254</b>	<b>10,483</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	0	363	299	661
Primary Metal Manufacturing	297	119	8	423
Administrative & Support Services	0	274	225	499
Fabricated Metal Product Manufacturing	277	240	33	550
Wholesalers	0	255	211	465
Food Services & Drinking Places	0	98	446	543
Crop Production	0	76	338	415
Truck Transportation	0	198	194	392
Rail Transportation	0	201	96	297
Food Manufacturing	0	12	333	345
Insurance Carriers & Related Activities	0	50	292	342
Management of Companies & Enterprises	0	390	201	591
Real Estate	0	89	212	301
Hospitals	0	0	297	297
Ambulatory Health Care Services	0	0	281	281
<i>All Other Industries</i>	<i>0</i>	<i>1,366</i>	<i>3,518</i>	<i>4,884</i>
<b>State Total</b>	<b>574</b>	<b>3,730</b>	<b>6,983</b>	<b>11,287</b>

Source: IHS Global Insight

**Nevada Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Accommodation	0	480	827	1,307
Administrative & Support Services	0	241	265	506
Professional, Scientific, & Technical Services	0	210	161	371
Food Services & Drinking Places	0	53	310	363
Real Estate	0	95	251	346
Mining (except Oil & Gas)	0	221	20	241
Amusement, Gambling, & Recreation Industries	0	5	171	176
Management of Companies & Enterprises	0	103	54	156
Construction	0	114	40	154
Wholesalers	0	63	90	153
Ambulatory Health Care Services	0	0	149	149
Transit & Ground Passenger Transport	0	46	76	121
Performing Arts, Spectator Sports, & Related Industries	0	29	79	108
Support Activities for Mining	0	89	2	91
Repair & Maintenance	0	26	65	90
<i>All Other Industries</i>	29	474	1,458	1,961
<b>State Total</b>	<b>29</b>	<b>2,248</b>	<b>4,019</b>	<b>6,295</b>
2020	Direct	Indirect	Induced	Total
Accommodation	0	828	1,486	2,315
Administrative & Support Services	0	413	467	880
Professional, Scientific, & Technical Services	0	338	274	611
Food Services & Drinking Places	0	96	568	664
Real Estate	0	197	507	704
Mining (except Oil & Gas)	0	374	36	410
Amusement, Gambling, & Recreation Industries	0	9	313	322
Management of Companies & Enterprises	0	194	101	295
Construction	0	215	67	282
Wholesalers	0	104	154	259
Ambulatory Health Care Services	0	0	245	245
Transit & Ground Passenger Transport	0	73	123	196
Performing Arts, Spectator Sports, & Related Industries	0	69	186	255
Support Activities for Mining	0	101	2	103
Repair & Maintenance	0	53	130	183
<i>All Other Industries</i>	39	832	2,675	3,546
<b>State Total</b>	<b>39</b>	<b>3,896</b>	<b>7,335</b>	<b>11,270</b>
2035	Direct	Indirect	Induced	Total
Accommodation	0	1,011	1,761	2,772
Administrative & Support Services	0	549	621	1,170
Professional, Scientific, & Technical Services	0	360	314	674
Food Services & Drinking Places	0	123	728	851
Real Estate	0	241	619	860
Mining (except Oil & Gas)	0	471	42	513
Amusement, Gambling, & Recreation Industries	0	9	328	337
Management of Companies & Enterprises	0	241	131	372
Construction	0	276	95	371
Wholesalers	0	137	195	332
Ambulatory Health Care Services	0	0	322	322
Transit & Ground Passenger Transport	0	92	152	244
Performing Arts, Spectator Sports, & Related Industries	0	90	238	327
Support Activities for Mining	0	101	2	103
Repair & Maintenance	0	64	147	212
<i>All Other Industries</i>	46	986	3,375	4,407
<b>State Total</b>	<b>46</b>	<b>4,750</b>	<b>9,071</b>	<b>13,867</b>

Source: IHS Global Insight

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Appendix B – Employment Contributions by State, Industry, and Year

**New Hampshire Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	116	96	212
Fabricated Metal Product Manufacturing	0	180	21	201
Administrative & Support Services	0	82	102	184
Food Services & Drinking Places	0	23	138	161
Educational Services	0	1	121	122
Wholesalers	0	48	71	119
Real Estate	0	30	80	110
Ambulatory Health Care Services	0	0	96	96
Hospitals	0	0	93	93
Food & Beverage Stores	0	3	72	74
Management of Companies & Enterprises	0	46	24	70
Construction	0	50	20	70
Social Assistance	0	0	68	68
Insurance Carriers & Related Activities	0	9	57	66
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	20	45	65
<i>All Other Industries</i>	7	411	940	1,358
<b>State Total</b>	<b>7</b>	<b>1,019</b>	<b>2,044</b>	<b>3,070</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	206	165	371
Fabricated Metal Product Manufacturing	0	296	36	332
Administrative & Support Services	0	141	175	317
Food Services & Drinking Places	0	38	227	265
Educational Services	0	2	196	198
Wholesalers	0	82	124	206
Real Estate	0	56	144	200
Ambulatory Health Care Services	0	0	150	150
Hospitals	0	0	154	154
Food & Beverage Stores	0	5	120	125
Management of Companies & Enterprises	0	77	40	116
Construction	0	88	30	118
Social Assistance	0	0	116	116
Insurance Carriers & Related Activities	0	15	94	109
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	32	72	103
<i>All Other Industries</i>	13	653	1,592	2,258
<b>State Total</b>	<b>13</b>	<b>1,691</b>	<b>3,434</b>	<b>5,138</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	230	181	411
Fabricated Metal Product Manufacturing	0	278	34	312
Administrative & Support Services	0	163	198	361
Food Services & Drinking Places	0	42	250	292
Educational Services	0	2	205	208
Wholesalers	0	102	145	247
Real Estate	0	60	153	213
Ambulatory Health Care Services	0	0	152	152
Hospitals	0	0	166	166
Food & Beverage Stores	0	5	136	141
Management of Companies & Enterprises	0	76	40	116
Construction	0	88	32	120
Social Assistance	0	0	129	129
Insurance Carriers & Related Activities	0	19	115	134
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	34	75	109
<i>All Other Industries</i>	37	733	1,811	2,581
<b>State Total</b>	<b>37</b>	<b>1,833</b>	<b>3,823</b>	<b>5,693</b>

Source: IHS Global Insight

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Appendix B – Employment Contributions by State, Industry, and Year

**New Jersey Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,155	939	2,094
Administrative & Support Services	0	740	891	1,632
Wholesalers	0	403	571	974
Real Estate	0	250	658	908
Food Services & Drinking Places	0	124	714	838
Ambulatory Health Care Services	0	0	704	704
Management of Companies & Enterprises	0	429	223	652
Hospitals	0	0	563	563
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	174	386	560
Educational Services	0	5	462	467
Accommodation	0	133	303	435
Construction	0	288	127	415
Insurance Carriers & Related Activities	0	56	359	414
Chemical Manufacturing	0	119	281	400
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	63	331	394
<i>All Other Industries</i>	195	2,313	5,796	8,303
<b>State Total</b>	<b>195</b>	<b>6,251</b>	<b>13,308</b>	<b>19,753</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,971	1,569	3,541
Administrative & Support Services	0	1,160	1,364	2,524
Wholesalers	0	700	956	1,656
Real Estate	0	438	1,098	1,535
Food Services & Drinking Places	0	225	1,253	1,478
Ambulatory Health Care Services	0	0	1,201	1,201
Management of Companies & Enterprises	0	757	378	1,136
Hospitals	0	0	934	934
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	292	628	919
Educational Services	0	9	809	818
Accommodation	0	224	518	742
Construction	0	595	232	827
Insurance Carriers & Related Activities	0	104	640	744
Chemical Manufacturing	0	180	461	641
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	121	604	724
<i>All Other Industries</i>	726	4,137	10,171	15,034
<b>State Total</b>	<b>726</b>	<b>10,914</b>	<b>22,815</b>	<b>34,455</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	2,245	1,731	3,975
Administrative & Support Services	0	1,187	1,287	2,474
Wholesalers	0	948	1,106	2,054
Real Estate	0	508	1,229	1,737
Food Services & Drinking Places	0	289	1,506	1,795
Ambulatory Health Care Services	0	0	1,394	1,394
Management of Companies & Enterprises	0	840	413	1,253
Hospitals	0	0	1,027	1,027
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	352	685	1,037
Educational Services	0	12	905	917
Accommodation	0	238	503	741
Construction	0	544	237	780
Insurance Carriers & Related Activities	0	135	804	939
Chemical Manufacturing	0	193	538	731
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	163	713	876
<i>All Other Industries</i>	1,632	4,893	12,279	18,805
<b>State Total</b>	<b>1,632</b>	<b>12,547</b>	<b>26,358</b>	<b>40,537</b>

Source: IHS Global Insight

America's New Energy Future: The Unconventional Oil and Gas Revolution and the US Economy  
Appendix B – Employment Contributions by State, Industry, and Year

**New Jersey Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,155	939	2,094
Administrative & Support Services	0	740	891	1,632
Wholesalers	0	403	571	974
Real Estate	0	250	658	908
Food Services & Drinking Places	0	124	714	838
Ambulatory Health Care Services	0	0	704	704
Management of Companies & Enterprises	0	429	223	652
Hospitals	0	0	563	563
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	174	386	560
Educational Services	0	5	462	467
Accommodation	0	133	303	435
Construction	0	288	127	415
Insurance Carriers & Related Activities	0	56	359	414
Chemical Manufacturing	0	119	281	400
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	63	331	394
<i>All Other Industries</i>	195	2,313	5,796	8,303
<b>State Total</b>	<b>195</b>	<b>6,251</b>	<b>13,308</b>	<b>19,753</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,971	1,569	3,541
Administrative & Support Services	0	1,160	1,364	2,524
Wholesalers	0	700	956	1,656
Real Estate	0	438	1,098	1,535
Food Services & Drinking Places	0	225	1,253	1,478
Ambulatory Health Care Services	0	0	1,201	1,201
Management of Companies & Enterprises	0	757	378	1,136
Hospitals	0	0	934	934
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	292	628	919
Educational Services	0	9	809	818
Accommodation	0	224	518	742
Construction	0	595	232	827
Insurance Carriers & Related Activities	0	104	640	744
Chemical Manufacturing	0	180	461	641
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	121	604	724
<i>All Other Industries</i>	726	4,137	10,171	15,034
<b>State Total</b>	<b>726</b>	<b>10,914</b>	<b>22,815</b>	<b>34,455</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	2,245	1,731	3,975
Administrative & Support Services	0	1,187	1,287	2,474
Wholesalers	0	948	1,106	2,054
Real Estate	0	508	1,229	1,737
Food Services & Drinking Places	0	289	1,506	1,795
Ambulatory Health Care Services	0	0	1,394	1,394
Management of Companies & Enterprises	0	840	413	1,253
Hospitals	0	0	1,027	1,027
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	352	685	1,037
Educational Services	0	12	905	917
Accommodation	0	238	503	741
Construction	0	544	237	780
Insurance Carriers & Related Activities	0	135	804	939
Chemical Manufacturing	0	193	538	731
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	163	713	876
<i>All Other Industries</i>	1,632	4,893	12,279	18,805
<b>State Total</b>	<b>1,632</b>	<b>12,547</b>	<b>26,358</b>	<b>40,537</b>

Source: IHS Global Insight

**New Mexico Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Oil and Gas Extraction	2,596	233	64	2,893
Construction	987	786	102	1,875
Professional, Scientific, & Technical Services	89	1,416	370	1,875
Machinery Manufacturing	1,784	22	1	1,808
Support Activities for Mining	1,225	279	7	1,510
Administrative & Support Services	0	842	403	1,245
Food Services & Drinking Places	0	338	886	1,224
Wholesalers	0	562	252	814
Real Estate	0	282	419	701
Ambulatory Health Care Services	0	0	695	695
Management of Companies & Enterprises	0	423	79	502
Social Assistance	0	0	459	459
Repair & Maintenance	0	178	198	376
Hospitals	0	0	358	358
Utilities	170	114	42	326
<i>All Other Industries</i>	266	2,214	4,485	6,964
<b>State Total</b>	<b>7,117</b>	<b>7,690</b>	<b>8,818</b>	<b>23,625</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Oil and Gas Extraction	3,308	331	90	3,729
Construction	613	1,173	147	1,933
Professional, Scientific, & Technical Services	93	1,849	570	2,513
Machinery Manufacturing	1,458	22	2	1,482
Support Activities for Mining	1,189	212	6	1,406
Administrative & Support Services	0	1,062	604	1,665
Food Services & Drinking Places	0	380	1,233	1,613
Wholesalers	0	627	350	977
Real Estate	0	379	601	979
Ambulatory Health Care Services	0	0	966	966
Management of Companies & Enterprises	0	595	130	724
Social Assistance	0	0	665	665
Repair & Maintenance	0	228	292	520
Hospitals	0	0	518	518
Utilities	198	172	62	432
<i>All Other Industries</i>	403	2,920	6,403	9,726
<b>State Total</b>	<b>7,262</b>	<b>9,950</b>	<b>12,637</b>	<b>29,849</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Oil and Gas Extraction	5,843	418	119	6,379
Construction	2,553	2,224	250	5,028
Professional, Scientific, & Technical Services	305	3,880	931	5,117
Machinery Manufacturing	2,825	24	2	2,852
Support Activities for Mining	3,611	291	7	3,909
Administrative & Support Services	0	2,164	998	3,162
Food Services & Drinking Places	0	791	2,332	3,123
Wholesalers	0	1,285	662	1,947
Real Estate	0	770	1,103	1,873
Ambulatory Health Care Services	0	0	1,778	1,778
Management of Companies & Enterprises	0	965	147	1,112
Social Assistance	0	0	1,125	1,125
Repair & Maintenance	0	449	519	967
Hospitals	0	0	944	944
Utilities	852	269	104	1,225
<i>All Other Industries</i>	797	5,642	11,486	17,925
<b>State Total</b>	<b>16,787</b>	<b>19,172</b>	<b>22,508</b>	<b>58,466</b>

Source: IHS Global Insight

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Appendix B – Employment Contributions by State, Industry, and Year

**New York Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	2,595	2,327	4,922
Real Estate	0	976	2,606	3,582
Administrative & Support Services	0	1,248	1,510	2,757
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	716	1,627	2,343
Food Services & Drinking Places	0	294	1,743	2,037
Educational Services	0	18	1,763	1,781
Social Assistance	0	0	1,660	1,660
Wholesalers	0	597	892	1,489
Ambulatory Health Care Services	0	0	1,429	1,429
Hospitals	0	0	1,220	1,220
Management of Companies & Enterprises	0	761	402	1,164
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	134	864	999
Construction	0	684	312	996
Performing Arts, Spectator Sports, & Related Industries	0	241	670	911
Nursing & Residential Care Facilities	0	0	838	838
<i>All Other Industries</i>	94	4,881	11,326	16,301
<b>State Total</b>	<b>94</b>	<b>13,144</b>	<b>31,191</b>	<b>44,429</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	4,229	3,771	7,999
Real Estate	0	1,679	4,334	6,013
Administrative & Support Services	0	1,915	2,315	4,231
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	1,199	2,725	3,924
Food Services & Drinking Places	0	521	3,076	3,596
Educational Services	0	32	3,117	3,149
Social Assistance	0	0	2,730	2,730
Wholesalers	0	991	1,517	2,507
Ambulatory Health Care Services	0	0	2,384	2,384
Hospitals	0	0	1,907	1,907
Management of Companies & Enterprises	0	1,381	717	2,098
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	213	1,398	1,611
Construction	0	1,050	422	1,472
Performing Arts, Spectator Sports, & Related Industries	0	426	1,151	1,577
Nursing & Residential Care Facilities	0	0	1,317	1,317
<i>All Other Industries</i>	288	8,028	19,176	27,492
<b>State Total</b>	<b>288</b>	<b>21,663</b>	<b>52,056</b>	<b>74,007</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	4,327	3,878	8,205
Real Estate	0	1,834	4,729	6,564
Administrative & Support Services	0	1,750	2,065	3,814
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	1,251	2,725	3,975
Food Services & Drinking Places	0	620	3,640	4,261
Educational Services	0	33	3,050	3,082
Social Assistance	0	0	2,886	2,886
Wholesalers	0	1,219	1,767	2,987
Ambulatory Health Care Services	0	0	2,750	2,750
Hospitals	0	0	1,917	1,917
Management of Companies & Enterprises	0	1,532	825	2,357
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	215	1,378	1,593
Construction	0	861	390	1,251
Performing Arts, Spectator Sports, & Related Industries	0	461	1,235	1,696
Nursing & Residential Care Facilities	0	0	1,345	1,345
<i>All Other Industries</i>	679	8,383	20,901	29,963
<b>State Total</b>	<b>679</b>	<b>22,487</b>	<b>55,479</b>	<b>78,645</b>

Source: IHS Global Insight

North Carolina Employment Contribution by State and Industry: Total Unconventional Activity (Number of workers)				
2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	747	924	1,670
Professional, Scientific, & Technical Services	0	749	615	1,364
Food Services & Drinking Places	0	163	972	1,135
Real Estate	0	201	539	740
Wholesalers	0	295	445	739
Management of Companies & Enterprises	0	438	233	671
Ambulatory Health Care Services	0	0	598	598
Construction	0	386	142	528
Fabricated Metal Product Manufacturing	0	451	69	520
Educational Services	0	4	397	401
Hospitals	0	0	388	388
Social Assistance	0	0	363	363
Nursing & Residential Care Facilities	0	0	343	343
General Merchandise Stores	0	11	315	326
Repair & Maintenance	0	90	213	304
<i>All Other Industries</i>	0	2,412	6,163	8,575
<b>State Total</b>	<b>0</b>	<b>5,949</b>	<b>12,716</b>	<b>18,665</b>
2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	1,396	1,735	3,131
Professional, Scientific, & Technical Services	0	1,316	1,074	2,390
Food Services & Drinking Places	0	281	1,669	1,950
Real Estate	0	358	925	1,282
Wholesalers	0	491	762	1,253
Management of Companies & Enterprises	0	729	381	1,110
Ambulatory Health Care Services	0	0	1,058	1,058
Construction	0	812	267	1,079
Fabricated Metal Product Manufacturing	0	726	116	842
Educational Services	0	7	691	698
Hospitals	0	0	727	727
Social Assistance	0	0	637	637
Nursing & Residential Care Facilities	0	0	602	602
General Merchandise Stores	0	19	525	544
Repair & Maintenance	0	147	355	503
<i>All Other Industries</i>	0	4,077	10,595	14,671
<b>State Total</b>	<b>0</b>	<b>10,359</b>	<b>22,118</b>	<b>32,477</b>
2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	1,731	2,131	3,862
Professional, Scientific, & Technical Services	0	1,569	1,306	2,876
Food Services & Drinking Places	0	337	2,010	2,346
Real Estate	0	391	1,012	1,402
Wholesalers	0	591	883	1,474
Management of Companies & Enterprises	0	697	383	1,080
Ambulatory Health Care Services	0	0	1,272	1,272
Construction	0	898	339	1,237
Fabricated Metal Product Manufacturing	0	617	98	714
Educational Services	0	8	792	799
Hospitals	0	0	941	941
Social Assistance	0	0	752	752
Nursing & Residential Care Facilities	0	0	729	729
General Merchandise Stores	0	20	553	573
Repair & Maintenance	0	179	434	614
<i>All Other Industries</i>	0	4,560	12,206	16,766
<b>State Total</b>	<b>0</b>	<b>11,598</b>	<b>25,841</b>	<b>37,439</b>

Source: IHS Global Insight

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Appendix B – Employment Contributions by State, Industry, and Year

**North Dakota Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Construction	5,127	5,579	260	10,966
Oil and Gas Extraction	7,516	21	7	7,543
Professional, Scientific, & Technical Services	600	4,600	752	5,951
Support Activities for Mining	3,758	494	1	4,253
Food Services & Drinking Places	0	587	3,201	3,788
Administrative & Support Services	0	1,643	780	2,424
Wholesalers	0	1,256	1,082	2,338
Utilities	1,537	417	140	2,095
Management of Companies & Enterprises	0	1,907	116	2,023
Hospitals	0	0	1,931	1,931
Insurance Carriers & Related Activities	443	488	972	1,903
Ambulatory Health Care Services	0	0	1,867	1,867
Truck Transportation	766	428	269	1,462
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	562	837	1,398
Social Assistance	0	0	1,273	1,273
<i>All Other Industries</i>	<i>0</i>	<i>6,118</i>	<i>14,491</i>	<i>20,608</i>
<b>State Total</b>	<b>19,746</b>	<b>24,099</b>	<b>27,978</b>	<b>71,824</b>

2020	Direct	Indirect	Induced	Total
Construction	7,978	8,864	417	17,260
Oil and Gas Extraction	11,226	45	14	11,286
Professional, Scientific, & Technical Services	1,299	7,287	1,198	9,785
Support Activities for Mining	6,268	755	3	7,026
Food Services & Drinking Places	0	989	5,113	6,102
Administrative & Support Services	0	2,704	1,255	3,960
Wholesalers	0	2,049	1,732	3,780
Utilities	2,146	670	224	3,040
Management of Companies & Enterprises	0	3,077	189	3,266
Hospitals	0	0	3,085	3,085
Insurance Carriers & Related Activities	638	752	1,475	2,865
Ambulatory Health Care Services	0	0	2,979	2,979
Truck Transportation	1,257	658	403	2,318
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	912	1,336	2,248
Social Assistance	0	0	2,035	2,035
<i>All Other Industries</i>	<i>0</i>	<i>9,989</i>	<i>23,217</i>	<i>33,205</i>
<b>State Total</b>	<b>30,813</b>	<b>38,750</b>	<b>44,677</b>	<b>114,240</b>

2035	Direct	Indirect	Induced	Total
Construction	3,991	4,214	224	8,429
Oil and Gas Extraction	4,734	61	21	4,816
Professional, Scientific, & Technical Services	661	3,624	621	4,905
Support Activities for Mining	3,118	425	4	3,548
Food Services & Drinking Places	0	514	2,578	3,092
Administrative & Support Services	0	1,387	667	2,053
Wholesalers	0	1,053	899	1,951
Utilities	1,069	333	121	1,523
Management of Companies & Enterprises	0	1,505	110	1,615
Hospitals	0	0	1,557	1,557
Insurance Carriers & Related Activities	317	397	761	1,475
Ambulatory Health Care Services	0	0	1,490	1,490
Truck Transportation	626	365	227	1,218
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	452	683	1,135
Social Assistance	0	0	1,035	1,035
<i>All Other Industries</i>	<i>0</i>	<i>5,290</i>	<i>12,135</i>	<i>17,424</i>
<b>State Total</b>	<b>14,516</b>	<b>19,618</b>	<b>23,132</b>	<b>57,267</b>

Source: IHS Global Insight

**Ohio Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	1,355	1,261	2,616
Professional, Scientific, & Technical Services	21	1,575	981	2,578
Food Services & Drinking Places	0	347	1,669	2,016
Fabricated Metal Product Manufacturing	153	1,593	229	1,976
Machinery Manufacturing	1,386	409	51	1,846
Primary Metal Manufacturing	515	1,004	77	1,596
Wholesalers	0	822	724	1,546
Ambulatory Health Care Services	0	0	1,204	1,205
Management of Companies & Enterprises	0	836	354	1,190
Real Estate	0	333	800	1,132
Oil and Gas Extraction	1,006	44	13	1,064
Hospitals	0	0	1,037	1,037
Construction	208	609	192	1,009
Nursing & Residential Care Facilities	0	0	741	741
Insurance Carriers & Related Activities	22	109	572	703
<i>All Other Industries</i>	897	4,565	11,115	16,577
<b>State Total</b>	<b>4,210</b>	<b>13,601</b>	<b>21,020</b>	<b>38,830</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	4,284	3,306	7,591
Professional, Scientific, & Technical Services	558	6,887	2,685	10,130
Food Services & Drinking Places	0	1,194	5,906	7,100
Fabricated Metal Product Manufacturing	509	2,940	415	3,863
Machinery Manufacturing	3,298	734	93	4,126
Primary Metal Manufacturing	1,096	1,691	130	2,916
Wholesalers	0	2,303	2,024	4,327
Ambulatory Health Care Services	0	1	4,184	4,185
Management of Companies & Enterprises	0	2,697	722	3,419
Real Estate	0	1,177	2,453	3,630
Oil and Gas Extraction	20,546	207	35	20,789
Hospitals	0	0	3,167	3,167
Construction	3,836	4,012	539	8,387
Nursing & Residential Care Facilities	0	0	2,166	2,166
Insurance Carriers & Related Activities	225	459	1,713	2,396
<i>All Other Industries</i>	8,661	13,264	33,480	55,405
<b>State Total</b>	<b>38,728</b>	<b>41,849</b>	<b>63,018</b>	<b>143,595</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	8,034	5,378	13,412
Professional, Scientific, & Technical Services	1,292	13,790	4,470	19,553
Food Services & Drinking Places	0	2,375	11,206	13,581
Fabricated Metal Product Manufacturing	1,282	4,502	578	6,361
Machinery Manufacturing	7,250	1,097	130	8,476
Primary Metal Manufacturing	1,690	2,524	166	4,380
Wholesalers	0	4,511	3,522	8,032
Ambulatory Health Care Services	0	1	7,908	7,909
Management of Companies & Enterprises	0	4,755	969	5,724
Real Estate	0	2,234	4,429	6,663
Oil and Gas Extraction	38,621	375	53	39,049
Hospitals	0	0	5,601	5,601
Construction	8,723	7,989	958	17,670
Nursing & Residential Care Facilities	0	0	3,805	3,805
Insurance Carriers & Related Activities	512	950	3,043	4,505
<i>All Other Industries</i>	18,278	24,181	59,444	101,903
<b>State Total</b>	<b>77,647</b>	<b>77,318</b>	<b>111,659</b>	<b>266,624</b>

Source: IHS Global Insight

**Oklahoma Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Construction	5,484	1,417	227	7,128
Oil and Gas Extraction	6,035	557	156	6,748
Professional, Scientific, & Technical Services	622	3,353	1,009	4,984
Support Activities for Mining	3,588	246	5	3,838
Administrative & Support Services	0	2,501	1,295	3,797
Food Services & Drinking Places	0	825	2,775	3,600
Machinery Manufacturing	2,306	267	23	2,596
Wholesalers	0	1,333	784	2,117
Ambulatory Health Care Services	0	0	1,794	1,795
Real Estate	0	611	1,082	1,693
Utilities	1,094	289	120	1,503
Truck Transportation	688	505	233	1,426
Insurance Carriers & Related Activities	255	370	640	1,265
Hospitals	0	0	1,239	1,239
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	304	772	1,075
<i>All Other Industries</i>	1,065	6,243	13,212	20,521
<b>State Total</b>	<b>21,137</b>	<b>18,821</b>	<b>25,367</b>	<b>65,325</b>

2020	Direct	Indirect	Induced	Total
Construction	10,220	4,113	513	14,846
Oil and Gas Extraction	19,245	1,232	316	20,793
Professional, Scientific, & Technical Services	1,510	7,895	2,316	11,721
Support Activities for Mining	8,095	604	9	8,709
Administrative & Support Services	0	5,410	2,883	8,293
Food Services & Drinking Places	0	1,669	6,460	8,129
Machinery Manufacturing	3,724	451	40	4,215
Wholesalers	0	2,691	1,783	4,474
Ambulatory Health Care Services	0	0	4,178	4,179
Real Estate	0	1,427	2,495	3,923
Utilities	2,316	631	264	3,211
Truck Transportation	1,714	1,057	538	3,309
Insurance Carriers & Related Activities	595	899	1,503	2,997
Hospitals	0	0	2,864	2,864
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	738	1,806	2,545
<i>All Other Industries</i>	1,839	13,368	30,203	45,409
<b>State Total</b>	<b>49,258</b>	<b>42,186</b>	<b>58,173</b>	<b>149,617</b>

2035	Direct	Indirect	Induced	Total
Construction	15,845	6,479	776	23,099
Oil and Gas Extraction	28,201	1,684	432	30,316
Professional, Scientific, & Technical Services	2,288	12,604	3,500	18,391
Support Activities for Mining	12,738	849	11	13,599
Administrative & Support Services	0	8,268	4,263	12,531
Food Services & Drinking Places	0	2,475	9,945	12,420
Machinery Manufacturing	3,944	594	50	4,588
Wholesalers	0	3,924	2,691	6,615
Ambulatory Health Care Services	0	1	6,419	6,420
Real Estate	0	2,228	3,813	6,041
Utilities	3,724	867	383	4,974
Truck Transportation	2,756	1,603	799	5,158
Insurance Carriers & Related Activities	924	1,500	2,304	4,729
Hospitals	0	0	4,384	4,384
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	1,197	2,788	3,985
<i>All Other Industries</i>	2,138	20,221	45,778	68,137
<b>State Total</b>	<b>72,558</b>	<b>64,495</b>	<b>88,334</b>	<b>225,387</b>

Source: IHS Global Insight

**Oregon Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Real Estate	0	191	504	695
Professional, Scientific, & Technical Services	0	325	269	594
Administrative & Support Services	0	262	295	557
Food Services & Drinking Places	0	76	419	495
Fabricated Metal Product Manufacturing	162	210	34	406
Wholesalers	0	163	208	370
Management of Companies & Enterprises	0	177	91	268
Ambulatory Health Care Services	0	0	267	268
Computer & Electronic Product Manufacturing	0	157	69	226
Primary Metal Manufacturing	32	176	15	223
Crop Production	0	39	176	214
Construction	0	148	66	214
Hospitals	0	0	195	195
Animal Production	0	6	175	182
Social Assistance	0	0	170	170
<i>All Other Industries</i>	2	997	2,838	3,837
<b>State Total</b>	<b>195</b>	<b>2,928</b>	<b>5,789</b>	<b>8,912</b>

2020	Direct	Indirect	Induced	Total
Real Estate	0	356	909	1,265
Professional, Scientific, & Technical Services	0	553	474	1,027
Administrative & Support Services	0	489	558	1,047
Food Services & Drinking Places	0	128	710	838
Fabricated Metal Product Manufacturing	244	375	65	684
Wholesalers	0	269	357	626
Management of Companies & Enterprises	0	335	170	505
Ambulatory Health Care Services	0	0	451	452
Computer & Electronic Product Manufacturing	0	272	128	401
Primary Metal Manufacturing	45	292	29	367
Crop Production	0	71	331	402
Construction	0	291	122	412
Hospitals	0	0	313	313
Animal Production	0	11	324	335
Social Assistance	0	0	287	287
<i>All Other Industries</i>	2	1,716	4,943	6,660
<b>State Total</b>	<b>291</b>	<b>5,159</b>	<b>10,170</b>	<b>15,620</b>

2035	Direct	Indirect	Induced	Total
Real Estate	0	480	1,230	1,709
Professional, Scientific, & Technical Services	0	576	512	1,088
Administrative & Support Services	0	656	730	1,386
Food Services & Drinking Places	0	150	835	985
Fabricated Metal Product Manufacturing	144	428	74	645
Wholesalers	0	343	433	776
Management of Companies & Enterprises	0	358	190	547
Ambulatory Health Care Services	0	0	521	521
Computer & Electronic Product Manufacturing	0	328	151	479
Primary Metal Manufacturing	99	344	36	479
Crop Production	0	93	414	507
Construction	0	282	142	424
Hospitals	0	0	326	326
Animal Production	0	14	398	412
Social Assistance	0	0	330	330
<i>All Other Industries</i>	3	2,033	5,821	7,857
<b>State Total</b>	<b>246</b>	<b>6,084</b>	<b>12,142</b>	<b>18,472</b>

Source: IHS Global Insight

<b>Pennsylvania Employment Contribution by State and Industry: Total Unconventional Activity</b>				
<b>(Number of workers)</b>				
<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Support Activities for Mining	12,320	1,426	10	13,755
Construction	5,564	2,719	431	8,713
Professional, Scientific, & Technical Services	171	5,268	2,073	7,513
Oil and Gas Extraction	4,946	280	64	5,289
Administrative & Support Services	0	2,949	2,042	4,991
Food Services & Drinking Places	0	808	3,344	4,151
Fabricated Metal Product Manufacturing	499	2,491	263	3,253
Wholesalers	0	1,599	1,345	2,944
Ambulatory Health Care Services	0	0	2,726	2,727
Management of Companies & Enterprises	0	2,026	577	2,603
Real Estate	0	893	1,574	2,467
Primary Metal Manufacturing	550	1,795	104	2,448
Hospitals	0	0	2,304	2,304
Educational Services	0	24	2,148	2,172
Social Assistance	0	0	1,851	1,851
<i>All Other Industries</i>	<i>1,580</i>	<i>10,940</i>	<i>22,966</i>	<i>35,486</i>
<b>State Total</b>	<b>25,628</b>	<b>33,219</b>	<b>43,821</b>	<b>102,668</b>
<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Support Activities for Mining	26,809	1,217	13	28,039
Construction	9,804	7,412	864	18,081
Professional, Scientific, & Technical Services	512	12,339	4,210	17,061
Oil and Gas Extraction	15,577	757	160	16,493
Administrative & Support Services	0	6,337	4,217	10,554
Food Services & Drinking Places	0	1,766	7,665	9,431
Fabricated Metal Product Manufacturing	1,399	3,668	435	5,502
Wholesalers	0	3,296	2,835	6,131
Ambulatory Health Care Services	0	1	6,109	6,109
Management of Companies & Enterprises	0	4,573	1,108	5,681
Real Estate	0	2,062	3,432	5,494
Primary Metal Manufacturing	1,057	2,816	169	4,042
Hospitals	0	0	4,947	4,947
Educational Services	0	48	4,496	4,543
Social Assistance	0	0	4,004	4,004
<i>All Other Industries</i>	<i>2,796</i>	<i>22,585</i>	<i>49,142</i>	<i>74,523</i>
<b>State Total</b>	<b>57,956</b>	<b>68,876</b>	<b>93,803</b>	<b>220,635</b>
<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Support Activities for Mining	55,974	1,901	14	57,889
Construction	20,345	13,837	1,372	35,555
Professional, Scientific, & Technical Services	1,103	22,408	6,404	29,915
Oil and Gas Extraction	29,383	1,037	198	30,618
Administrative & Support Services	0	11,033	6,635	17,669
Food Services & Drinking Places	0	3,165	13,746	16,911
Fabricated Metal Product Manufacturing	3,444	4,576	494	8,513
Wholesalers	0	5,847	4,783	10,630
Ambulatory Health Care Services	0	1	10,713	10,715
Management of Companies & Enterprises	0	7,324	1,428	8,752
Real Estate	0	3,661	5,835	9,496
Primary Metal Manufacturing	1,694	3,481	177	5,352
Hospitals	0	0	8,382	8,383
Educational Services	0	73	7,035	7,108
Social Assistance	0	0	6,522	6,522
<i>All Other Industries</i>	<i>5,392</i>	<i>37,084</i>	<i>80,855</i>	<i>123,332</i>
<b>State Total</b>	<b>117,336</b>	<b>115,429</b>	<b>154,595</b>	<b>387,360</b>

Source: IHS Global Insight

**Rhode Island Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	68	85	154
Professional, Scientific, & Technical Services	0	77	66	143
Food Services & Drinking Places	0	20	117	136
Educational Services	0	1	107	108
Fabricated Metal Product Manufacturing	0	86	14	100
Real Estate	0	27	71	98
Management of Companies & Enterprises	0	56	30	85
Hospitals	0	0	83	83
Ambulatory Health Care Services	0	0	81	81
Wholesalers	0	29	44	73
Nursing & Residential Care Facilities	0	0	63	63
Social Assistance	0	0	58	58
Insurance Carriers & Related Activities	0	8	49	56
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	8	47	55
Construction	0	33	16	49
<i>All Other Industries</i>	<i>0</i>	<i>291</i>	<i>624</i>	<i>915</i>
<b>State Total</b>	<b>0</b>	<b>703</b>	<b>1,554</b>	<b>2,257</b>

2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	113	141	254
Professional, Scientific, & Technical Services	0	124	103	228
Food Services & Drinking Places	0	33	197	230
Educational Services	0	2	169	171
Fabricated Metal Product Manufacturing	0	133	22	155
Real Estate	0	49	128	177
Management of Companies & Enterprises	0	89	46	135
Hospitals	0	0	135	135
Ambulatory Health Care Services	0	0	128	128
Wholesalers	0	47	74	121
Nursing & Residential Care Facilities	0	0	98	98
Social Assistance	0	0	96	96
Insurance Carriers & Related Activities	0	14	84	98
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	12	79	92
Construction	0	58	26	84
<i>All Other Industries</i>	<i>0</i>	<i>487</i>	<i>1,019</i>	<i>1,506</i>
<b>State Total</b>	<b>0</b>	<b>1,161</b>	<b>2,547</b>	<b>3,708</b>

2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	116	144	260
Professional, Scientific, & Technical Services	0	118	95	213
Food Services & Drinking Places	0	37	219	256
Educational Services	0	2	173	174
Fabricated Metal Product Manufacturing	0	103	16	120
Real Estate	0	53	136	189
Management of Companies & Enterprises	0	80	44	124
Hospitals	0	0	143	143
Ambulatory Health Care Services	0	0	122	122
Wholesalers	0	53	78	131
Nursing & Residential Care Facilities	0	0	94	94
Social Assistance	0	0	98	98
Insurance Carriers & Related Activities	0	16	99	115
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	14	91	106
Construction	0	54	26	80
<i>All Other Industries</i>	<i>0</i>	<i>509</i>	<i>1,069</i>	<i>1,578</i>
<b>State Total</b>	<b>0</b>	<b>1,155</b>	<b>2,649</b>	<b>3,804</b>

Source: IHS Global Insight

South Carolina Employment Contribution by State and Industry: Total Unconventional Activity (Number of workers)				
2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	388	479	867
Professional, Scientific, & Technical Services	0	342	271	613
Fabricated Metal Product Manufacturing	0	518	59	577
Food Services & Drinking Places	0	83	493	575
Real Estate	0	110	295	405
Wholesalers	0	117	176	293
Ambulatory Health Care Services	0	0	245	245
Construction	0	158	56	214
Accommodation	0	63	129	193
Plastics & Rubber Products Manufacturing	0	105	70	175
Transportation Equipment Manufacturing	0	72	103	174
Chemical Manufacturing	0	76	90	166
General Merchandise Stores	0	6	158	164
Educational Services	0	1	156	157
Repair & Maintenance	0	52	105	157
<i>All Other Industries</i>	3	1,176	2,977	4,155
<b>State Total</b>	<b>3</b>	<b>3,266</b>	<b>5,861</b>	<b>9,131</b>
2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	691	853	1,544
Professional, Scientific, & Technical Services	0	611	473	1,085
Fabricated Metal Product Manufacturing	0	883	102	985
Food Services & Drinking Places	0	146	867	1,012
Real Estate	0	191	493	684
Wholesalers	0	199	308	507
Ambulatory Health Care Services	0	0	431	431
Construction	0	357	105	462
Accommodation	0	104	224	328
Plastics & Rubber Products Manufacturing	0	172	115	287
Transportation Equipment Manufacturing	0	111	164	275
Chemical Manufacturing	0	131	165	296
General Merchandise Stores	0	10	272	282
Educational Services	0	2	276	278
Repair & Maintenance	0	93	188	281
<i>All Other Industries</i>	5	1,998	5,165	7,167
<b>State Total</b>	<b>5</b>	<b>5,700</b>	<b>10,201</b>	<b>15,905</b>
2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	824	1,004	1,828
Professional, Scientific, & Technical Services	0	745	574	1,319
Fabricated Metal Product Manufacturing	0	1,151	138	1,288
Food Services & Drinking Places	0	173	1,035	1,208
Real Estate	0	205	529	734
Wholesalers	0	237	354	591
Ambulatory Health Care Services	0	0	505	505
Construction	0	365	118	483
Accommodation	0	117	248	365
Plastics & Rubber Products Manufacturing	0	205	130	334
Transportation Equipment Manufacturing	0	115	178	294
Chemical Manufacturing	0	166	210	376
General Merchandise Stores	0	11	311	323
Educational Services	0	3	299	301
Repair & Maintenance	0	118	237	355
<i>All Other Industries</i>	4	2,528	6,196	8,727
<b>State Total</b>	<b>4</b>	<b>6,963</b>	<b>12,065</b>	<b>19,032</b>

Source: IHS Global Insight

**South Dakota Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Crop Production	0	21	95	116
Food Services & Drinking Places	0	15	86	101
Administrative & Support Services	0	45	49	93
Professional, Scientific, & Technical Services	0	49	41	90
Wholesalers	0	37	53	89
Hospitals	0	0	76	76
Animal Production	0	2	63	65
Real Estate	0	16	44	60
Construction	0	44	16	60
Ambulatory Health Care Services	0	0	57	57
Accommodation	0	17	36	53
Nursing & Residential Care Facilities	0	0	49	49
Fabricated Metal Product Manufacturing	0	41	8	49
Credit Intermediation & Related Activities	0	12	33	45
Food Manufacturing	0	1	42	43
<i>All Other Industries</i>	19	275	673	967
<b>State Total</b>	<b>19</b>	<b>575</b>	<b>1,419</b>	<b>2,013</b>

2020	Direct	Indirect	Induced	Total
Crop Production	0	37	170	206
Food Services & Drinking Places	0	25	143	167
Administrative & Support Services	0	78	86	165
Professional, Scientific, & Technical Services	0	87	70	156
Wholesalers	0	60	90	150
Hospitals	0	0	127	127
Animal Production	0	4	112	116
Real Estate	0	28	71	99
Construction	0	83	27	111
Ambulatory Health Care Services	0	0	97	97
Accommodation	0	29	66	95
Nursing & Residential Care Facilities	0	0	84	84
Fabricated Metal Product Manufacturing	0	69	13	82
Credit Intermediation & Related Activities	0	20	56	75
Food Manufacturing	0	2	75	77
<i>All Other Industries</i>	26	464	1,179	1,669
<b>State Total</b>	<b>26</b>	<b>985</b>	<b>2,466</b>	<b>3,477</b>

2035	Direct	Indirect	Induced	Total
Crop Production	0	44	197	241
Food Services & Drinking Places	0	27	159	186
Administrative & Support Services	0	102	112	214
Professional, Scientific, & Technical Services	0	105	83	188
Wholesalers	0	69	99	168
Hospitals	0	0	137	137
Animal Production	0	5	132	136
Real Estate	0	28	72	100
Construction	0	75	29	104
Ambulatory Health Care Services	0	0	109	109
Accommodation	0	32	82	115
Nursing & Residential Care Facilities	0	0	92	92
Fabricated Metal Product Manufacturing	0	75	13	88
Credit Intermediation & Related Activities	0	21	58	79
Food Manufacturing	0	2	91	94
<i>All Other Industries</i>	21	512	1,354	1,887
<b>State Total</b>	<b>21</b>	<b>1,098</b>	<b>2,819</b>	<b>3,937</b>

Source: IHS Global Insight

Tennessee Employment Contribution by State and Industry: Total Unconventional Activity (Number of workers)				
2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	557	675	1,232
Professional, Scientific, & Technical Services	0	446	371	817
Food Services & Drinking Places	0	110	646	756
Wholesalers	0	206	303	509
Fabricated Metal Product Manufacturing	24	393	75	492
Ambulatory Health Care Services	0	0	451	451
Real Estate	0	121	322	443
Truck Transportation	0	173	213	386
Hospitals	0	0	373	373
Transportation Equipment Manufacturing	0	146	205	351
Construction	0	245	87	333
Management of Companies & Enterprises	0	177	94	271
Postal Service	0	97	171	268
Animal Production	0	9	258	267
General Merchandise Stores	0	8	230	238
<i>All Other Industries</i>	12	1,795	4,524	6,331
<b>State Total</b>	<b>36</b>	<b>4,484</b>	<b>8,997</b>	<b>13,516</b>
2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	963	1,168	2,131
Professional, Scientific, & Technical Services	0	775	622	1,398
Food Services & Drinking Places	0	188	1,111	1,300
Wholesalers	0	345	525	871
Fabricated Metal Product Manufacturing	29	599	125	753
Ambulatory Health Care Services	0	0	758	758
Real Estate	0	214	551	765
Truck Transportation	0	287	365	652
Hospitals	0	0	629	629
Transportation Equipment Manufacturing	0	292	394	686
Construction	0	470	148	618
Management of Companies & Enterprises	0	310	162	471
Postal Service	0	137	241	378
Animal Production	0	16	461	477
General Merchandise Stores	0	14	387	402
<i>All Other Industries</i>	14	3,123	7,886	11,023
<b>State Total</b>	<b>43</b>	<b>7,733</b>	<b>15,534</b>	<b>23,310</b>
2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	1,135	1,348	2,483
Professional, Scientific, & Technical Services	0	883	685	1,568
Food Services & Drinking Places	0	219	1,291	1,510
Wholesalers	0	424	610	1,034
Fabricated Metal Product Manufacturing	51	738	150	939
Ambulatory Health Care Services	0	0	828	828
Real Estate	0	246	632	877
Truck Transportation	0	350	411	761
Hospitals	0	0	675	675
Transportation Equipment Manufacturing	0	385	525	910
Construction	0	481	175	655
Management of Companies & Enterprises	0	376	205	581
Postal Service	0	120	209	330
Animal Production	0	20	569	589
General Merchandise Stores	0	16	432	447
<i>All Other Industries</i>	36	3,993	9,485	13,514
<b>State Total</b>	<b>86</b>	<b>9,386</b>	<b>18,230</b>	<b>27,702</b>

Source: IHS Global Insight

**Texas Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Oil and Gas Extraction	52,469	5,397	1,374	59,240
Construction	29,183	13,731	2,310	45,224
Professional, Scientific, & Technical Services	3,008	31,822	10,157	44,987
Administrative & Support Services	0	21,280	12,559	33,839
Food Services & Drinking Places	0	6,284	26,403	32,686
Support Activities for Mining	19,729	2,232	35	21,995
Wholesalers	0	12,128	8,216	20,344
Machinery Manufacturing	17,415	1,575	84	19,075
Real Estate	0	6,750	12,048	18,797
Ambulatory Health Care Services	0	1	18,064	18,065
Mining (except Oil & Gas)	13,829	637	55	14,522
Fabricated Metal Product Manufacturing	5,875	6,567	447	12,889
Truck Transportation	4,858	5,094	2,728	12,680
Insurance Carriers & Related Activities	1,430	2,638	6,796	10,865
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	2,711	6,445	9,156
<i>All Other Industries</i>	11,678	52,358	137,685	201,720
<b>State Total</b>	<b>159,474</b>	<b>171,204</b>	<b>245,406</b>	<b>576,084</b>

2020	Direct	Indirect	Induced	Total
Oil and Gas Extraction	87,899	8,326	2,014	98,239
Construction	36,247	24,653	3,794	64,694
Professional, Scientific, & Technical Services	5,060	52,534	17,146	74,740
Administrative & Support Services	0	34,999	21,173	56,171
Food Services & Drinking Places	0	10,037	43,984	54,021
Support Activities for Mining	27,355	4,130	61	31,545
Wholesalers	0	19,418	13,825	33,243
Machinery Manufacturing	25,604	2,613	147	28,364
Real Estate	0	11,465	20,211	31,676
Ambulatory Health Care Services	0	2	30,219	30,221
Mining (except Oil & Gas)	19,224	996	94	20,314
Fabricated Metal Product Manufacturing	8,613	10,568	760	19,941
Truck Transportation	7,787	8,156	4,693	20,636
Insurance Carriers & Related Activities	2,102	4,336	11,385	17,823
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	4,522	10,668	15,190
<i>All Other Industries</i>	17,086	85,782	229,795	332,663
<b>State Total</b>	<b>236,976</b>	<b>282,538</b>	<b>409,968</b>	<b>929,482</b>

2035	Direct	Indirect	Induced	Total
Oil and Gas Extraction	44,211	6,776	1,887	52,873
Construction	24,081	16,383	3,162	43,626
Professional, Scientific, & Technical Services	3,397	41,134	14,811	59,342
Administrative & Support Services	0	29,786	18,240	48,026
Food Services & Drinking Places	0	8,857	35,688	44,545
Support Activities for Mining	17,710	3,172	65	20,947
Wholesalers	0	17,880	11,672	29,552
Machinery Manufacturing	25,124	2,685	150	27,959
Real Estate	0	9,193	17,054	26,247
Ambulatory Health Care Services	0	2	24,671	24,673
Mining (except Oil & Gas)	18,468	1,093	108	19,670
Fabricated Metal Product Manufacturing	7,985	10,340	729	19,054
Truck Transportation	4,793	7,486	4,053	16,332
Insurance Carriers & Related Activities	1,458	3,377	9,271	14,107
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	3,314	8,388	11,702
<i>All Other Industries</i>	14,093	72,878	187,553	274,524
<b>State Total</b>	<b>161,320</b>	<b>234,357</b>	<b>337,502</b>	<b>733,179</b>

Source: IHS Global Insight

Utah Employment Contribution by State and Industry: Total Unconventional Activity (Number of workers)				
2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	308	3,615	1,121	5,044
Construction	2,075	2,616	257	4,948
Administrative & Support Services	0	1,853	1,256	3,109
Food Services & Drinking Places	0	520	2,515	3,034
Oil and Gas Extraction	2,826	20	6	2,852
Real Estate	0	1,006	1,749	2,755
Ambulatory Health Care Services	0	0	1,915	1,915
Support Activities for Mining	1,576	145	3	1,724
Wholesalers	0	827	828	1,655
Fabricated Metal Product Manufacturing	1,160	357	37	1,554
Management of Companies & Enterprises	0	1,267	196	1,463
Utilities	1,015	195	85	1,295
Educational Services	0	10	1,146	1,156
Hospitals	0	0	1,071	1,071
Insurance Carriers & Related Activities	163	281	567	1,011
<i>All Other Industries</i>	998	5,052	13,786	19,836
<b>State Total</b>	<b>10,123</b>	<b>17,762</b>	<b>26,536</b>	<b>54,421</b>
2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	288	3,459	1,210	4,958
Construction	1,393	2,433	265	4,091
Administrative & Support Services	0	1,798	1,315	3,113
Food Services & Drinking Places	0	487	2,344	2,832
Oil and Gas Extraction	2,419	47	14	2,480
Real Estate	0	946	1,698	2,644
Ambulatory Health Care Services	0	0	1,817	1,817
Support Activities for Mining	1,119	197	4	1,320
Wholesalers	0	810	823	1,633
Fabricated Metal Product Manufacturing	1,228	442	53	1,723
Management of Companies & Enterprises	0	1,209	216	1,425
Utilities	575	193	85	853
Educational Services	0	10	1,106	1,116
Hospitals	0	0	1,016	1,016
Insurance Carriers & Related Activities	95	218	564	878
<i>All Other Industries</i>	935	5,143	13,884	19,962
<b>State Total</b>	<b>8,051</b>	<b>17,392</b>	<b>26,416</b>	<b>51,859</b>
2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	473	4,400	1,504	6,376
Construction	2,839	2,410	320	5,570
Administrative & Support Services	0	2,385	1,671	4,057
Food Services & Drinking Places	0	647	2,715	3,362
Oil and Gas Extraction	4,890	46	14	4,950
Real Estate	0	1,149	2,006	3,155
Ambulatory Health Care Services	0	0	2,172	2,172
Support Activities for Mining	2,377	230	5	2,612
Wholesalers	0	1,042	984	2,026
Fabricated Metal Product Manufacturing	1,211	450	45	1,706
Management of Companies & Enterprises	0	1,336	249	1,585
Utilities	1,188	208	96	1,492
Educational Services	0	12	1,271	1,283
Hospitals	0	0	1,187	1,187
Insurance Carriers & Related Activities	198	354	663	1,215
<i>All Other Industries</i>	1,298	6,528	16,478	24,304
<b>State Total</b>	<b>14,473</b>	<b>21,197</b>	<b>31,381</b>	<b>67,052</b>

Source: IHS Global Insight

Vermont Employment Contribution by State and Industry: Total Unconventional Activity				
(Number of workers)				
2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	55	49	104
Accommodation	0	27	60	87
Administrative & Support Services	0	28	35	63
Food Services & Drinking Places	0	9	51	60
Ambulatory Health Care Services	0	0	58	58
Educational Services	0	1	55	56
Social Assistance	0	0	51	51
Real Estate	0	13	34	46
Hospitals	0	0	46	46
Wholesalers	0	17	26	43
Construction	0	29	14	42
Computer & Electronic Product Manufacturing	0	27	12	39
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	12	27	39
Food & Beverage Stores	0	1	34	35
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	5	29	34
<i>All Other Industries</i>	<i>0</i>	<i>184</i>	<i>471</i>	<i>655</i>
<b>State Total</b>	<b>0</b>	<b>407</b>	<b>1,050</b>	<b>1,458</b>
2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	91	79	170
Accommodation	0	54	116	170
Administrative & Support Services	0	48	60	108
Food Services & Drinking Places	0	12	69	80
Ambulatory Health Care Services	0	0	89	89
Educational Services	0	1	84	85
Social Assistance	0	0	90	90
Real Estate	0	22	57	79
Hospitals	0	0	81	81
Wholesalers	0	27	42	70
Construction	0	49	19	68
Computer & Electronic Product Manufacturing	0	41	20	61
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	29	65	93
Food & Beverage Stores	0	2	54	56
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	7	47	54
<i>All Other Industries</i>	<i>0</i>	<i>307</i>	<i>794</i>	<i>1,101</i>
<b>State Total</b>	<b>0</b>	<b>690</b>	<b>1,766</b>	<b>2,456</b>
2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	96	81	177
Accommodation	0	75	144	219
Administrative & Support Services	0	53	65	118
Food Services & Drinking Places	0	9	54	64
Ambulatory Health Care Services	0	0	87	87
Educational Services	0	1	76	77
Social Assistance	0	0	102	102
Real Estate	0	23	59	82
Hospitals	0	0	92	92
Wholesalers	0	30	45	75
Construction	0	47	19	66
Computer & Electronic Product Manufacturing	0	33	16	49
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	37	80	117
Food & Beverage Stores	0	2	53	55
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	7	45	52
<i>All Other Industries</i>	<i>0</i>	<i>313</i>	<i>838</i>	<i>1,150</i>
<b>State Total</b>	<b>0</b>	<b>725</b>	<b>1,858</b>	<b>2,583</b>

Source: IHS Global Insight

**Virginia Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,543	1,128	2,672
Administrative & Support Services	0	591	696	1,287
Food Services & Drinking Places	0	145	822	967
Real Estate	0	251	662	913
Management of Companies & Enterprises	0	433	220	653
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	88	478	566
Construction	0	390	161	550
Ambulatory Health Care Services	0	0	538	538
Wholesalers	0	217	300	517
Educational Services	0	4	402	406
Hospitals	0	0	363	363
Social Assistance	0	0	325	325
Repair & Maintenance	0	98	212	310
Accommodation	0	103	203	306
General Merchandise Stores	0	9	262	271
<i>All Other Industries</i>	128	2,294	4,960	7,383
<b>State Total</b>	<b>128</b>	<b>6,167</b>	<b>11,732</b>	<b>18,028</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	2,803	1,974	4,778
Administrative & Support Services	0	1,056	1,225	2,281
Food Services & Drinking Places	0	265	1,452	1,717
Real Estate	0	458	1,160	1,618
Management of Companies & Enterprises	0	866	427	1,293
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	147	786	933
Construction	0	736	268	1,004
Ambulatory Health Care Services	0	0	957	957
Wholesalers	0	373	500	872
Educational Services	0	7	687	695
Hospitals	0	0	596	596
Social Assistance	0	0	630	630
Repair & Maintenance	0	173	367	540
Accommodation	0	168	351	519
General Merchandise Stores	0	16	449	466
<i>All Other Industries</i>	349	3,871	8,687	12,908
<b>State Total</b>	<b>349</b>	<b>10,940</b>	<b>20,516</b>	<b>31,806</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	3,460	2,332	5,792
Administrative & Support Services	0	1,358	1,474	2,832
Food Services & Drinking Places	0	355	1,819	2,173
Real Estate	0	553	1,373	1,926
Management of Companies & Enterprises	0	1,308	653	1,961
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	187	896	1,082
Construction	0	761	307	1,068
Ambulatory Health Care Services	0	0	1,160	1,160
Wholesalers	0	534	616	1,151
Educational Services	0	9	840	850
Hospitals	0	0	680	680
Social Assistance	0	0	826	826
Repair & Maintenance	0	234	462	696
Accommodation	0	199	413	612
General Merchandise Stores	0	19	547	566
<i>All Other Industries</i>	764	4,470	10,350	15,585
<b>State Total</b>	<b>764</b>	<b>13,448</b>	<b>24,748</b>	<b>38,961</b>

Source: IHS Global Insight

**Washington Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	723	545	1,268
Administrative & Support Services	0	363	448	812
Real Estate	0	207	553	760
Food Services & Drinking Places	0	106	628	734
Wholesalers	0	227	340	567
Ambulatory Health Care Services	0	0	475	475
Construction	0	303	130	433
Social Assistance	0	0	319	319
Crop Production	0	52	236	288
Management of Companies & Enterprises	0	185	98	283
Fabricated Metal Product Manufacturing	0	242	40	282
Hospitals	0	0	270	270
Amusement, Gambling, & Recreation Industries	0	11	248	259
Educational Services	0	3	238	241
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	32	203	235
<i>All Other Industries</i>	20	1,634	4,339	5,993
<b>State Total</b>	<b>20</b>	<b>4,088</b>	<b>9,109</b>	<b>13,217</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,351	1,006	2,357
Administrative & Support Services	0	619	766	1,385
Real Estate	0	361	931	1,292
Food Services & Drinking Places	0	180	1,066	1,245
Wholesalers	0	377	580	958
Ambulatory Health Care Services	0	0	790	790
Construction	0	583	220	803
Social Assistance	0	0	501	501
Crop Production	0	98	457	555
Management of Companies & Enterprises	0	353	184	537
Fabricated Metal Product Manufacturing	0	381	65	446
Hospitals	0	0	504	504
Amusement, Gambling, & Recreation Industries	0	20	489	509
Educational Services	0	5	428	433
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	52	354	406
<i>All Other Industries</i>	29	2,743	7,507	10,280
<b>State Total</b>	<b>29</b>	<b>7,124</b>	<b>15,847</b>	<b>23,000</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,392	1,028	2,420
Administrative & Support Services	0	707	856	1,564
Real Estate	0	396	1,016	1,411
Food Services & Drinking Places	0	204	1,210	1,414
Wholesalers	0	460	663	1,123
Ambulatory Health Care Services	0	0	856	856
Construction	0	541	228	769
Social Assistance	0	0	496	496
Crop Production	0	128	570	698
Management of Companies & Enterprises	0	427	231	658
Fabricated Metal Product Manufacturing	0	654	111	765
Hospitals	0	0	622	622
Amusement, Gambling, & Recreation Industries	0	23	568	591
Educational Services	0	6	458	464
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	58	402	460
<i>All Other Industries</i>	108	3,553	8,803	12,465
<b>State Total</b>	<b>108</b>	<b>8,549</b>	<b>18,118</b>	<b>26,775</b>

Source: IHS Global Insight

**West Virginia Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Oil and Gas Extraction	1,842	83	23	1,948
Construction	592	363	49	1,004
Support Activities for Mining	565	293	5	864
Professional, Scientific, & Technical Services	58	510	162	730
Food Services & Drinking Places	0	90	460	550
Administrative & Support Services	0	254	179	433
Mining (except Oil & Gas)	0	315	78	393
Ambulatory Health Care Services	0	0	347	347
Utilities	237	72	30	339
Hospitals	0	0	311	311
Wholesalers	0	150	134	284
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	62	190	253
Truck Transportation	129	63	47	239
Real Estate	0	74	150	224
Chemical Manufacturing	151	37	34	222
<i>All Other Industries</i>	56	1,124	2,561	3,740
<b>State Total</b>	<b>3,631</b>	<b>3,492</b>	<b>4,761</b>	<b>11,884</b>

2020	Direct	Indirect	Induced	Total
Oil and Gas Extraction	6,453	204	49	6,706
Construction	1,260	1,139	106	2,505
Support Activities for Mining	1,251	516	9	1,776
Professional, Scientific, & Technical Services	176	1,403	385	1,965
Food Services & Drinking Places	0	211	1,140	1,350
Administrative & Support Services	0	613	405	1,017
Mining (except Oil & Gas)	0	520	128	649
Ambulatory Health Care Services	0	0	868	869
Utilities	399	197	71	666
Hospitals	0	0	744	744
Wholesalers	0	366	312	678
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	160	428	588
Truck Transportation	256	151	108	515
Real Estate	0	184	364	548
Chemical Manufacturing	415	69	63	547
<i>All Other Industries</i>	96	2,417	6,020	8,533
<b>State Total</b>	<b>10,306</b>	<b>8,150</b>	<b>11,200</b>	<b>29,656</b>

2035	Direct	Indirect	Induced	Total
Oil and Gas Extraction	12,937	307	64	13,308
Construction	2,791	2,409	189	5,389
Support Activities for Mining	2,788	663	9	3,460
Professional, Scientific, & Technical Services	406	2,997	674	4,077
Food Services & Drinking Places	0	437	2,275	2,712
Administrative & Support Services	0	1,257	719	1,977
Mining (except Oil & Gas)	0	605	145	751
Ambulatory Health Care Services	0	0	1,746	1,747
Utilities	923	418	127	1,468
Hospitals	0	0	1,422	1,422
Wholesalers	0	779	595	1,374
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	331	772	1,103
Truck Transportation	592	304	174	1,070
Real Estate	0	379	722	1,101
Chemical Manufacturing	917	100	76	1,093
<i>All Other Industries</i>	204	4,608	11,381	16,193
<b>State Total</b>	<b>21,559</b>	<b>15,594</b>	<b>21,091</b>	<b>58,244</b>

Source: IHS Global Insight

**Wisconsin Employment Contribution by State and Industry: Total Unconventional Activity  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Mining (except Oil & Gas)	2,074	56	4	2,134
Fabricated Metal Product Manufacturing	0	1,003	169	1,173
Administrative & Support Services	0	527	591	1,118
Food Services & Drinking Places	0	142	799	941
Professional, Scientific, & Technical Services	0	556	382	938
Wholesalers	0	270	367	637
Machinery Manufacturing	206	337	47	590
Ambulatory Health Care Services	0	0	516	516
Management of Companies & Enterprises	0	351	162	513
Hospitals	0	0	487	487
Real Estate	0	120	344	464
Primary Metal Manufacturing	0	427	35	462
Religious, Grantmaking, Civic, Professional, & §	0	78	384	461
Insurance Carriers & Related Activities	0	55	347	402
Social Assistance	0	0	399	399
<i>All Other Industries</i>	<i>0</i>	<i>2,438</i>	<i>6,087</i>	<i>8,525</i>
<b>State Total</b>	<b>2,280</b>	<b>6,360</b>	<b>11,120</b>	<b>19,760</b>
2020	Direct	Indirect	Induced	Total
Mining (except Oil & Gas)	3,182	82	6	3,269
Fabricated Metal Product Manufacturing	0	1,658	293	1,951
Administrative & Support Services	0	882	997	1,878
Food Services & Drinking Places	0	239	1,348	1,587
Professional, Scientific, & Technical Services	0	970	677	1,647
Wholesalers	0	450	629	1,079
Machinery Manufacturing	306	536	79	921
Ambulatory Health Care Services	0	0	889	889
Management of Companies & Enterprises	0	682	319	1,001
Hospitals	0	0	795	795
Real Estate	0	205	568	772
Primary Metal Manufacturing	0	633	57	690
Religious, Grantmaking, Civic, Professional, & §	0	130	658	789
Insurance Carriers & Related Activities	0	95	580	674
Social Assistance	0	0	638	638
<i>All Other Industries</i>	<i>0</i>	<i>4,188</i>	<i>10,343</i>	<i>14,530</i>
<b>State Total</b>	<b>3,488</b>	<b>10,749</b>	<b>18,876</b>	<b>33,112</b>
2035	Direct	Indirect	Induced	Total
Mining (except Oil & Gas)	2,423	76	6	2,504
Fabricated Metal Product Manufacturing	0	2,013	345	2,358
Administrative & Support Services	0	933	1,064	1,997
Food Services & Drinking Places	0	266	1,517	1,782
Professional, Scientific, & Technical Services	0	1,018	748	1,766
Wholesalers	0	521	724	1,245
Machinery Manufacturing	239	646	92	977
Ambulatory Health Care Services	0	0	1,004	1,004
Management of Companies & Enterprises	0	885	452	1,337
Hospitals	0	0	816	816
Real Estate	0	215	591	806
Primary Metal Manufacturing	0	708	63	772
Religious, Grantmaking, Civic, Professional, & §	0	152	757	909
Insurance Carriers & Related Activities	0	114	678	792
Social Assistance	0	0	621	621
<i>All Other Industries</i>	<i>0</i>	<i>4,743</i>	<i>11,548</i>	<i>16,291</i>
<b>State Total</b>	<b>2,662</b>	<b>12,290</b>	<b>21,024</b>	<b>35,976</b>

Source: IHS Global Insight

Wyoming Employment Contribution by State and Industry: Total Unconventional Activity (Number of workers)				
2012	Direct	Indirect	Induced	Total
Oil and Gas Extraction	3,627	92	29	3,748
Construction	970	945	68	1,983
Professional, Scientific, & Technical Services	157	825	177	1,159
Fabricated Metal Product Manufacturing	880	25	3	907
Support Activities for Mining	772	122	2	896
Food Services & Drinking Places	0	135	686	821
Utilities	422	133	39	594
Administrative & Support Services	0	383	175	559
Real Estate	0	180	312	491
Wholesalers	0	268	187	455
Ambulatory Health Care Services	0	0	397	397
Truck Transportation	202	96	50	348
Chemical Manufacturing	305	23	7	335
Social Assistance	0	0	334	334
General Merchandise Stores	0	29	232	261
<i>All Other Industries</i>	<i>80</i>	<i>1,392</i>	<i>3,074</i>	<i>4,546</i>
<b>State Total</b>	<b>7,416</b>	<b>4,646</b>	<b>5,772</b>	<b>17,834</b>
2020	Direct	Indirect	Induced	Total
Oil and Gas Extraction	5,510	188	59	5,757
Construction	786	1,422	96	2,305
Professional, Scientific, & Technical Services	175	1,111	253	1,540
Fabricated Metal Product Manufacturing	1,012	36	5	1,053
Support Activities for Mining	653	220	4	877
Food Services & Drinking Places	0	167	951	1,118
Utilities	271	188	56	515
Administrative & Support Services	0	487	251	737
Real Estate	0	239	436	674
Wholesalers	0	342	264	606
Ambulatory Health Care Services	0	0	547	547
Truck Transportation	152	124	78	355
Chemical Manufacturing	389	33	11	434
Social Assistance	0	0	465	465
General Merchandise Stores	0	38	317	355
<i>All Other Industries</i>	<i>55</i>	<i>1,883</i>	<i>4,364</i>	<i>6,303</i>
<b>State Total</b>	<b>9,004</b>	<b>6,479</b>	<b>8,156</b>	<b>23,639</b>
2035	Direct	Indirect	Induced	Total
Oil and Gas Extraction	5,775	239	79	6,093
Construction	2,628	1,650	130	4,408
Professional, Scientific, & Technical Services	484	1,799	348	2,631
Fabricated Metal Product Manufacturing	851	47	5	904
Support Activities for Mining	2,237	279	6	2,522
Food Services & Drinking Places	0	287	1,317	1,604
Utilities	825	233	78	1,135
Administrative & Support Services	0	792	346	1,138
Real Estate	0	368	611	980
Wholesalers	0	508	368	876
Ambulatory Health Care Services	0	0	756	756
Truck Transportation	464	215	104	782
Chemical Manufacturing	418	31	11	460
Social Assistance	0	0	637	637
General Merchandise Stores	0	59	430	489
<i>All Other Industries</i>	<i>214</i>	<i>2,902</i>	<i>5,928</i>	<i>9,044</i>
<b>State Total</b>	<b>13,896</b>	<b>9,410</b>	<b>11,153</b>	<b>34,459</b>

Source: IHS Global Insight

## UNCONVENTIONAL OIL ACTIVITY

## Unconventional Oil – Employment Contribution by State and Industry

### Alabama Employment Contribution by State and Industry: Unconventional Oil (Number of workers)

2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	163	200	362
Professional, Scientific, & Technical Services	0	193	145	338
Food Services & Drinking Places	0	36	219	255
Primary Metal Manufacturing	0	180	15	195
Fabricated Metal Product Manufacturing	0	165	25	190
Real Estate	0	48	127	176
Wholesalers	0	59	93	152
Ambulatory Health Care Services	0	0	149	150
Transportation Equipment Manufacturing	0	38	65	103
Construction	0	72	24	96
General Merchandise Stores	0	3	91	94
Food Manufacturing	0	3	85	88
Truck Transportation	0	35	46	81
Repair & Maintenance	0	25	52	78
Hospitals	0	0	75	75
<i>All Other Industries</i>	0	594	1,459	2,053
<b>State Total</b>	<b>0</b>	<b>1,614</b>	<b>2,873</b>	<b>4,487</b>

  

2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	252	310	563
Professional, Scientific, & Technical Services	0	312	234	546
Food Services & Drinking Places	0	57	348	405
Primary Metal Manufacturing	0	265	24	289
Fabricated Metal Product Manufacturing	0	276	44	320
Real Estate	0	81	206	287
Wholesalers	0	95	158	253
Ambulatory Health Care Services	0	0	237	237
Transportation Equipment Manufacturing	0	68	114	182
Construction	0	120	37	156
General Merchandise Stores	0	4	142	147
Food Manufacturing	0	4	135	139
Truck Transportation	0	52	69	122
Repair & Maintenance	0	41	87	128
Hospitals	0	0	115	115
<i>All Other Industries</i>	0	977	2,366	3,342
<b>State Total</b>	<b>0</b>	<b>2,606</b>	<b>4,626</b>	<b>7,231</b>

  

2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	254	305	560
Professional, Scientific, & Technical Services	0	299	229	528
Food Services & Drinking Places	0	57	345	402
Primary Metal Manufacturing	0	341	28	369
Fabricated Metal Product Manufacturing	0	412	60	473
Real Estate	0	71	186	257
Wholesalers	0	112	170	282
Ambulatory Health Care Services	0	0	228	228
Transportation Equipment Manufacturing	0	84	131	215
Construction	0	87	34	121
General Merchandise Stores	0	4	133	137
Food Manufacturing	0	5	135	140
Truck Transportation	0	58	68	126
Repair & Maintenance	0	46	93	139
Hospitals	0	0	116	116
<i>All Other Industries</i>	7	1,131	2,411	3,549
<b>State Total</b>	<b>7</b>	<b>2,962</b>	<b>4,673</b>	<b>7,641</b>

Source: IHS Global Insight

**Arizona Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	309	384	693
Professional, Scientific, & Technical Services	0	270	217	487
Real Estate	0	111	292	403
Food Services & Drinking Places	0	49	294	343
Ambulatory Health Care Services	0	0	250	250
Wholesalers	0	79	125	203
Construction	0	130	47	177
Accommodation	0	49	100	150
Hospitals	0	0	142	142
Educational Services	0	1	129	130
Fabricated Metal Product Manufacturing	0	104	17	121
Mining (except Oil & Gas)	0	99	11	110
Management of Companies & Enterprises	0	69	37	107
Social Assistance	0	0	104	104
General Merchandise Stores	0	3	98	101
<i>All Other Industries</i>	<i>1</i>	<i>574</i>	<i>1,739</i>	<i>2,313</i>
<b>State Total</b>	<b>1</b>	<b>1,847</b>	<b>3,986</b>	<b>5,834</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	509	630	1,138
Professional, Scientific, & Technical Services	0	470	387	857
Real Estate	0	210	533	743
Food Services & Drinking Places	0	80	489	570
Ambulatory Health Care Services	0	0	436	436
Wholesalers	0	131	218	349
Construction	0	258	83	341
Accommodation	0	76	161	237
Hospitals	0	0	237	237
Educational Services	0	2	221	223
Fabricated Metal Product Manufacturing	0	173	29	202
Mining (except Oil & Gas)	0	136	17	153
Management of Companies & Enterprises	0	111	61	172
Social Assistance	0	0	173	173
General Merchandise Stores	0	5	159	164
<i>All Other Industries</i>	<i>1</i>	<i>908</i>	<i>2,897</i>	<i>3,806</i>
<b>State Total</b>	<b>1</b>	<b>3,070</b>	<b>6,732</b>	<b>9,802</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	584	704	1,288
Professional, Scientific, & Technical Services	0	550	479	1,029
Real Estate	0	220	573	792
Food Services & Drinking Places	0	90	550	640
Ambulatory Health Care Services	0	0	486	486
Wholesalers	0	163	249	412
Construction	0	216	84	300
Accommodation	0	82	158	240
Hospitals	0	0	268	268
Educational Services	0	2	204	206
Fabricated Metal Product Manufacturing	0	182	29	211
Mining (except Oil & Gas)	0	144	16	160
Management of Companies & Enterprises	0	110	62	173
Social Assistance	0	0	174	174
General Merchandise Stores	0	5	162	167
<i>All Other Industries</i>	<i>2</i>	<i>1,026</i>	<i>3,186</i>	<i>4,214</i>
<b>State Total</b>	<b>2</b>	<b>3,376</b>	<b>7,382</b>	<b>10,760</b>

Source: IHS Global Insight

Arkansas Employment Contribution by State and Industry: Unconventional Oil (Number of workers)				
2012	Direct	Indirect	Induced	Total
Oil and Gas Extraction	0	15	5	20
Mining (except Oil & Gas)	1,165	24	1	1,191
Construction	0	74	27	101
Professional, Scientific, & Technical Services	0	188	96	284
Administrative & Support Services	0	256	149	405
Food Services & Drinking Places	0	58	246	304
Primary Metal Manufacturing	428	140	7	575
Utilities	0	40	16	56
Wholesalers	0	176	90	266
Truck Transportation	0	123	66	189
Ambulatory Health Care Services	0	0	160	160
Real Estate	0	49	122	171
Support Activities for Mining	0	7	0	7
Hospitals	0	0	139	139
Management of Companies & Enterprises	0	117	43	161
<i>All Other Industries</i>	66	727	1,851	2,643
<b>State Total</b>	<b>1,659</b>	<b>1,996</b>	<b>3,018</b>	<b>6,673</b>
2020	Direct	Indirect	Induced	Total
Oil and Gas Extraction	0	27	8	35
Mining (except Oil & Gas)	1,396	32	2	1,430
Construction	0	123	42	165
Professional, Scientific, & Technical Services	0	290	147	438
Administrative & Support Services	0	399	234	633
Food Services & Drinking Places	0	91	371	462
Primary Metal Manufacturing	594	196	10	800
Utilities	0	65	26	91
Wholesalers	0	272	142	414
Truck Transportation	0	195	117	313
Ambulatory Health Care Services	0	0	231	231
Real Estate	0	79	185	264
Support Activities for Mining	0	12	0	12
Hospitals	0	0	218	218
Management of Companies & Enterprises	0	190	72	262
<i>All Other Industries</i>	175	1,122	2,862	4,159
<b>State Total</b>	<b>2,166</b>	<b>3,093</b>	<b>4,669</b>	<b>9,928</b>
2035	Direct	Indirect	Induced	Total
Oil and Gas Extraction	1,997	41	9	2,046
Mining (except Oil & Gas)	2,032	52	3	2,086
Construction	786	599	84	1,469
Professional, Scientific, & Technical Services	127	873	267	1,267
Administrative & Support Services	0	811	408	1,219
Food Services & Drinking Places	0	197	809	1,006
Primary Metal Manufacturing	711	241	9	960
Utilities	273	132	46	451
Wholesalers	0	483	255	738
Truck Transportation	122	338	170	630
Ambulatory Health Care Services	0	0	503	503
Real Estate	0	181	365	546
Support Activities for Mining	616	35	0	651
Hospitals	0	0	456	456
Management of Companies & Enterprises	0	365	79	443
<i>All Other Industries</i>	417	2,016	5,006	7,439
<b>State Total</b>	<b>7,081</b>	<b>6,363</b>	<b>8,468</b>	<b>21,912</b>

Source: IHS Global Insight

**California Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	3,050	1,989	5,039
Administrative & Support Services	0	1,926	1,882	3,808
Food Services & Drinking Places	0	489	2,143	2,631
Real Estate	0	796	1,850	2,646
Wholesalers	0	1,226	1,022	2,248
Machinery Manufacturing	2,295	199	33	2,526
Fabricated Metal Product Manufacturing	174	1,272	139	1,585
Ambulatory Health Care Services	0	0	1,490	1,490
Management of Companies & Enterprises	0	805	320	1,125
Construction	0	687	323	1,010
Computer & Electronic Product Manufacturing	532	340	203	1,075
Educational Services	0	10	937	947
Hospitals	0	0	784	784
Food & Beverage Stores	0	34	715	748
Repair & Maintenance	0	248	497	745
<i>All Other Industries</i>	243	5,678	14,167	20,089
<b>State Total</b>	<b>3,244</b>	<b>16,760</b>	<b>28,493</b>	<b>48,497</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	4,686	3,129	7,815
Administrative & Support Services	0	3,003	3,002	6,005
Food Services & Drinking Places	0	728	3,279	4,008
Real Estate	0	1,311	3,017	4,328
Wholesalers	0	1,808	1,643	3,450
Machinery Manufacturing	2,971	307	54	3,332
Fabricated Metal Product Manufacturing	211	1,917	214	2,342
Ambulatory Health Care Services	0	0	2,322	2,322
Management of Companies & Enterprises	0	1,205	497	1,702
Construction	0	1,261	561	1,823
Computer & Electronic Product Manufacturing	638	500	343	1,482
Educational Services	0	17	1,412	1,428
Hospitals	0	0	1,148	1,148
Food & Beverage Stores	0	51	1,144	1,195
Repair & Maintenance	0	361	727	1,089
<i>All Other Industries</i>	362	8,594	21,957	30,913
<b>State Total</b>	<b>4,183</b>	<b>25,751</b>	<b>44,449</b>	<b>74,383</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	319	5,899	3,454	9,671
Administrative & Support Services	0	3,780	3,327	7,107
Food Services & Drinking Places	0	975	4,120	5,095
Real Estate	0	1,541	3,368	4,909
Wholesalers	0	2,499	1,979	4,478
Machinery Manufacturing	3,446	359	50	3,856
Fabricated Metal Product Manufacturing	930	2,106	185	3,222
Ambulatory Health Care Services	0	0	2,848	2,848
Management of Companies & Enterprises	0	1,468	522	1,990
Construction	1,055	1,526	642	3,224
Computer & Electronic Product Manufacturing	793	585	354	1,731
Educational Services	0	21	1,624	1,645
Hospitals	0	0	1,414	1,414
Food & Beverage Stores	0	75	1,417	1,492
Repair & Maintenance	0	473	812	1,285
<i>All Other Industries</i>	3,718	10,920	25,840	40,478
<b>State Total</b>	<b>10,261</b>	<b>32,228</b>	<b>51,956</b>	<b>94,445</b>

Source: IHS Global Insight

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Appendix B – Employment Contributions by State, Industry, and Year**

**Colorado Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Support Activities for Mining	0	104	3	107
Machinery Manufacturing	3,769	37	3	3,810
Professional, Scientific, & Technical Services	0	939	466	1,405
Oil and Gas Extraction	0	86	28	113
Construction	0	199	89	287
Food Services & Drinking Places	0	216	775	991
Administrative & Support Services	0	606	440	1,046
Real Estate	0	246	484	730
Wholesalers	0	554	264	818
Ambulatory Health Care Services	0	0	513	513
Management of Companies & Enterprises	0	349	67	416
Social Assistance	0	0	290	290
Insurance Carriers & Related Activities	0	41	209	250
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	53	225	278
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	140	156	296
<i>All Other Industries</i>	507	1,798	4,107	6,412
<b>State Total</b>	<b>4,276</b>	<b>5,367</b>	<b>8,121</b>	<b>17,764</b>

2020	Direct	Indirect	Induced	Total
Support Activities for Mining	0	186	5	191
Machinery Manufacturing	5,295	63	6	5,364
Professional, Scientific, & Technical Services	0	1,509	765	2,273
Oil and Gas Extraction	0	165	51	216
Construction	0	337	138	475
Food Services & Drinking Places	0	342	1,214	1,555
Administrative & Support Services	0	969	700	1,669
Real Estate	0	392	760	1,152
Wholesalers	0	882	421	1,303
Ambulatory Health Care Services	0	0	806	806
Management of Companies & Enterprises	0	538	104	642
Social Assistance	0	0	464	464
Insurance Carriers & Related Activities	0	67	336	404
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	85	366	451
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	223	248	471
<i>All Other Industries</i>	772	2,888	6,531	10,191
<b>State Total</b>	<b>6,067</b>	<b>8,645</b>	<b>12,915</b>	<b>27,627</b>

2035	Direct	Indirect	Induced	Total
Support Activities for Mining	1,480	349	6	1,835
Machinery Manufacturing	7,781	83	7	7,871
Professional, Scientific, & Technical Services	311	3,979	1,488	5,778
Oil and Gas Extraction	3,051	199	63	3,313
Construction	1,990	1,508	284	3,782
Food Services & Drinking Places	0	749	2,966	3,714
Administrative & Support Services	0	2,197	1,428	3,624
Real Estate	0	852	1,542	2,394
Wholesalers	0	1,656	943	2,599
Ambulatory Health Care Services	0	0	2,007	2,008
Management of Companies & Enterprises	0	1,214	179	1,393
Social Assistance	0	0	1,126	1,126
Insurance Carriers & Related Activities	129	274	819	1,222
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	249	826	1,075
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	547	586	1,134
<i>All Other Industries</i>	2,190	5,885	14,813	22,888
<b>State Total</b>	<b>16,931</b>	<b>19,742</b>	<b>29,082</b>	<b>65,755</b>

Source: IHS Global Insight

**Connecticut Employment Contribution by State and Industry: Unconventional Oil**  
(Number of workers)

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	176	149	325
Administrative & Support Services	0	117	144	261
Fabricated Metal Product Manufacturing	0	176	32	208
Food Services & Drinking Places	0	27	161	188
Insurance Carriers & Related Activities	0	19	129	148
Real Estate	0	43	112	155
Wholesalers	0	53	85	138
Ambulatory Health Care Services	0	0	147	147
Educational Services	0	1	143	144
Social Assistance	0	0	128	128
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	37	88	126
Management of Companies & Enterprises	0	73	40	113
Accommodation	0	38	70	108
Nursing & Residential Care Facilities	0	0	109	109
Hospitals	0	0	106	106
All Other Industries	0	541	1,170	1,711
<b>State Total</b>	<b>0</b>	<b>1,301</b>	<b>2,811</b>	<b>4,113</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	269	222	491
Administrative & Support Services	0	181	224	405
Fabricated Metal Product Manufacturing	0	233	47	281
Food Services & Drinking Places	0	41	249	290
Insurance Carriers & Related Activities	0	31	196	227
Real Estate	0	68	172	240
Wholesalers	0	82	135	217
Ambulatory Health Care Services	0	0	217	217
Educational Services	0	2	219	221
Social Assistance	0	0	206	206
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	62	146	208
Management of Companies & Enterprises	0	98	54	152
Accommodation	0	52	102	155
Nursing & Residential Care Facilities	0	0	158	158
Hospitals	0	0	159	159
All Other Industries	0	851	1,788	2,640
<b>State Total</b>	<b>0</b>	<b>1,970</b>	<b>4,295</b>	<b>6,265</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	225	183	408
Administrative & Support Services	0	157	191	348
Fabricated Metal Product Manufacturing	0	244	49	293
Food Services & Drinking Places	0	36	221	257
Insurance Carriers & Related Activities	0	28	183	212
Real Estate	0	55	142	197
Wholesalers	0	90	138	228
Ambulatory Health Care Services	0	0	180	180
Educational Services	0	2	204	206
Social Assistance	0	0	182	182
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	59	135	194
Management of Companies & Enterprises	0	68	38	106
Accommodation	0	66	117	183
Nursing & Residential Care Facilities	0	0	132	132
Hospitals	0	0	142	142
All Other Industries	0	864	1,648	2,512
<b>State Total</b>	<b>0</b>	<b>1,894</b>	<b>3,884</b>	<b>5,778</b>

Source: IHS Global Insight

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Appendix B – Employment Contributions by State, Industry, and Year

**Delaware Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	55	46	101
Administrative & Support Services	0	31	38	68
Food Services & Drinking Places	0	8	48	56
Real Estate	0	15	39	54
Credit Intermediation & Related Activities	0	12	38	50
Hospitals	0	0	34	34
Management of Companies & Enterprises	0	22	12	34
Ambulatory Health Care Services	0	0	34	34
Wholesalers	0	10	16	26
Construction	0	22	8	30
Primary Metal Manufacturing	0	6	0	7
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	9	20	28
Social Assistance	0	0	27	27
Fabricated Metal Product Manufacturing	4	13	2	19
Food Manufacturing	0	1	23	24
<i>All Other Industries</i>	0	84	325	409
<b>State Total</b>	<b>4</b>	<b>288</b>	<b>709</b>	<b>1,000</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	86	73	159
Administrative & Support Services	0	45	54	99
Food Services & Drinking Places	0	14	80	94
Real Estate	0	26	64	90
Credit Intermediation & Related Activities	0	22	67	89
Hospitals	0	0	54	54
Management of Companies & Enterprises	0	42	23	65
Ambulatory Health Care Services	0	0	55	55
Wholesalers	0	17	25	42
Construction	0	40	14	53
Primary Metal Manufacturing	0	10	1	10
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	17	38	55
Social Assistance	0	0	45	45
Fabricated Metal Product Manufacturing	33	22	3	59
Food Manufacturing	0	1	37	39
<i>All Other Industries</i>	0	131	530	661
<b>State Total</b>	<b>33</b>	<b>472</b>	<b>1,163</b>	<b>1,669</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	77	67	144
Administrative & Support Services	0	47	52	99
Food Services & Drinking Places	0	15	87	102
Real Estate	0	22	55	76
Credit Intermediation & Related Activities	0	22	64	86
Hospitals	0	0	56	56
Management of Companies & Enterprises	0	46	25	72
Ambulatory Health Care Services	0	0	57	57
Wholesalers	0	22	29	51
Construction	0	34	14	48
Primary Metal Manufacturing	0	7	0	8
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	21	45	66
Social Assistance	0	0	48	48
Fabricated Metal Product Manufacturing	57	17	2	76
Food Manufacturing	0	1	37	38
<i>All Other Industries</i>	0	134	556	691
<b>State Total</b>	<b>57</b>	<b>467</b>	<b>1,196</b>	<b>1,720</b>

Source: IHS Global Insight

**Florida Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	981	838	1,819
Administrative & Support Services	0	789	955	1,744
Real Estate	0	398	1,031	1,429
Food Services & Drinking Places	0	168	978	1,146
Ambulatory Health Care Services	0	0	733	733
Wholesalers	0	267	407	674
Amusement, Gambling, & Recreation Industries	0	18	527	545
Accommodation	0	183	344	527
Construction	0	361	137	499
Hospitals	0	0	443	443
Management of Companies & Enterprises	0	243	124	367
Educational Services	0	3	373	377
Food & Beverage Stores	0	12	341	353
Insurance Carriers & Related Activities	0	45	292	337
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	46	286	332
<i>All Other Industries</i>	137	1,769	5,138	7,044
<b>State Total</b>	<b>137</b>	<b>5,283</b>	<b>12,946</b>	<b>18,367</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,597	1,424	3,021
Administrative & Support Services	0	1,385	1,688	3,073
Real Estate	0	709	1,786	2,495
Food Services & Drinking Places	0	266	1,579	1,845
Ambulatory Health Care Services	0	0	1,181	1,181
Wholesalers	0	435	701	1,136
Amusement, Gambling, & Recreation Industries	0	30	833	864
Accommodation	0	297	578	875
Construction	0	725	255	980
Hospitals	0	0	726	726
Management of Companies & Enterprises	0	411	217	628
Educational Services	0	5	586	591
Food & Beverage Stores	0	19	569	588
Insurance Carriers & Related Activities	0	81	502	582
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	67	445	512
<i>All Other Industries</i>	150	2,855	8,515	11,519
<b>State Total</b>	<b>150</b>	<b>8,882</b>	<b>21,583</b>	<b>30,615</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,631	1,536	3,167
Administrative & Support Services	0	1,828	2,198	4,026
Real Estate	0	763	1,975	2,737
Food Services & Drinking Places	0	258	1,537	1,795
Ambulatory Health Care Services	0	0	1,128	1,128
Wholesalers	0	491	736	1,228
Amusement, Gambling, & Recreation Industries	0	38	886	924
Accommodation	0	326	577	903
Construction	0	628	276	904
Hospitals	0	0	745	745
Management of Companies & Enterprises	0	423	232	655
Educational Services	0	5	587	593
Food & Beverage Stores	0	20	604	625
Insurance Carriers & Related Activities	0	92	593	685
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	75	445	520
<i>All Other Industries</i>	111	2,973	8,840	11,924
<b>State Total</b>	<b>111</b>	<b>9,553</b>	<b>22,895</b>	<b>32,559</b>

Source: IHS Global Insight

**Georgia Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	791	968	1,759
Professional, Scientific, & Technical Services	0	923	799	1,721
Food Services & Drinking Places	0	157	933	1,090
Wholesalers	0	351	530	881
Real Estate	0	219	587	806
Ambulatory Health Care Services	0	0	550	550
Management of Companies & Enterprises	0	324	172	496
Hospitals	0	0	454	454
Educational Services	0	4	418	422
Construction	0	300	108	408
Fabricated Metal Product Manufacturing	0	342	56	398
Food Manufacturing	0	10	330	339
Insurance Carriers & Related Activities	0	44	284	328
General Merchandise Stores	0	11	308	319
Truck Transportation	0	140	175	315
<i>All Other Industries</i>	0	2,402	5,815	8,217
<b>State Total</b>	<b>0</b>	<b>6,017</b>	<b>12,487</b>	<b>18,505</b>

2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	1,449	1,776	3,226
Professional, Scientific, & Technical Services	0	1,631	1,424	3,055
Food Services & Drinking Places	0	267	1,587	1,854
Wholesalers	0	602	933	1,535
Real Estate	0	413	1,067	1,479
Ambulatory Health Care Services	0	0	970	970
Management of Companies & Enterprises	0	532	278	810
Hospitals	0	0	768	768
Educational Services	0	7	728	734
Construction	0	639	212	851
Fabricated Metal Product Manufacturing	0	561	100	662
Food Manufacturing	0	16	560	576
Insurance Carriers & Related Activities	0	78	484	562
General Merchandise Stores	0	19	527	546
Truck Transportation	0	230	295	525
<i>All Other Industries</i>	0	4,160	10,147	14,307
<b>State Total</b>	<b>0</b>	<b>10,604</b>	<b>21,855</b>	<b>32,458</b>

2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	1,798	2,166	3,964
Professional, Scientific, & Technical Services	0	2,053	1,859	3,912
Food Services & Drinking Places	0	311	1,855	2,166
Wholesalers	0	741	1,107	1,848
Real Estate	0	462	1,194	1,656
Ambulatory Health Care Services	0	0	1,185	1,185
Management of Companies & Enterprises	0	505	277	782
Hospitals	0	0	888	888
Educational Services	0	8	861	869
Construction	0	655	262	917
Fabricated Metal Product Manufacturing	0	717	125	842
Food Manufacturing	0	20	658	678
Insurance Carriers & Related Activities	0	96	586	682
General Merchandise Stores	0	21	588	610
Truck Transportation	0	293	350	643
<i>All Other Industries</i>	0	5,028	12,103	17,130
<b>State Total</b>	<b>0</b>	<b>12,706</b>	<b>26,065</b>	<b>38,771</b>

Source: IHS Global Insight

**Idaho Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	0	72	57	129
Administrative & Support Services	0	55	68	122
Food Services & Drinking Places	0	11	67	78
Wholesalers	0	23	36	58
Crop Production	0	9	42	51
Ambulatory Health Care Services	0	0	54	54
Real Estate	0	15	39	54
Food Manufacturing	0	1	45	46
Animal Production	0	2	44	46
Construction	0	31	11	42
Hospitals	0	0	35	35
Social Assistance	0	0	36	36
Computer & Electronic Product Manufacturing	0	21	11	32
Truck Transportation	0	14	18	32
Fabricated Metal Product Manufacturing	0	23	5	28
<i>All Other Industries</i>	<i>1</i>	<i>187</i>	<i>480</i>	<i>668</i>
<b>State Total</b>	<b>1</b>	<b>463</b>	<b>1,046</b>	<b>1,510</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	0	113	91	205
Administrative & Support Services	0	84	103	187
Food Services & Drinking Places	0	19	114	133
Wholesalers	0	36	59	94
Crop Production	0	14	68	82
Ambulatory Health Care Services	0	0	86	86
Real Estate	0	24	61	86
Food Manufacturing	0	2	70	72
Animal Production	0	2	72	74
Construction	0	46	15	61
Hospitals	0	0	70	70
Social Assistance	0	0	58	58
Computer & Electronic Product Manufacturing	0	30	16	47
Truck Transportation	0	20	26	46
Fabricated Metal Product Manufacturing	0	41	10	50
<i>All Other Industries</i>	<i>1</i>	<i>324</i>	<i>808</i>	<i>1,134</i>
<b>State Total</b>	<b>1</b>	<b>756</b>	<b>1,728</b>	<b>2,486</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	0	112	94	206
Administrative & Support Services	0	85	96	182
Food Services & Drinking Places	0	20	120	140
Wholesalers	0	45	68	113
Crop Production	0	14	64	79
Ambulatory Health Care Services	0	0	85	85
Real Estate	0	25	64	89
Food Manufacturing	0	3	77	80
Animal Production	0	2	68	70
Construction	0	32	13	45
Hospitals	0	0	94	94
Social Assistance	0	0	55	55
Computer & Electronic Product Manufacturing	0	28	13	41
Truck Transportation	0	20	23	44
Fabricated Metal Product Manufacturing	0	43	9	52
<i>All Other Industries</i>	<i>7</i>	<i>370</i>	<i>845</i>	<i>1,221</i>
<b>State Total</b>	<b>7</b>	<b>800</b>	<b>1,788</b>	<b>2,595</b>

Source: IHS Global Insight

America's New Energy Future: The Unconventional Oil and Gas Revolution and the US Economy  
Appendix B – Employment Contributions by State, Industry, and Year

**Illinois Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	857	686	1,543
Administrative & Support Services	0	677	798	1,476
Mining (except Oil & Gas)	829	57	10	896
Food Services & Drinking Places	0	124	733	857
Fabricated Metal Product Manufacturing	0	665	111	776
Wholesalers	0	299	411	710
Real Estate	0	179	471	650
Machinery Manufacturing	178	236	29	443
Ambulatory Health Care Services	0	0	481	481
Hospitals	0	0	449	449
Management of Companies & Enterprises	0	302	149	451
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	61	325	386
Educational Services	0	4	383	387
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	110	227	337
Insurance Carriers & Related Activities	0	41	267	308
<i>All Other Industries</i>	101	2,219	5,101	7,421
<b>State Total</b>	<b>1,108</b>	<b>5,830</b>	<b>10,631</b>	<b>17,569</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,414	1,096	2,510
Administrative & Support Services	0	1,156	1,293	2,449
Mining (except Oil & Gas)	934	81	15	1,030
Food Services & Drinking Places	0	228	1,223	1,450
Fabricated Metal Product Manufacturing	0	1,074	179	1,253
Wholesalers	0	567	661	1,227
Real Estate	0	294	727	1,021
Machinery Manufacturing	769	345	47	1,161
Ambulatory Health Care Services	0	0	785	785
Hospitals	0	0	689	689
Management of Companies & Enterprises	0	496	232	727
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	103	524	626
Educational Services	0	6	651	657
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	192	369	561
Insurance Carriers & Related Activities	0	72	439	511
<i>All Other Industries</i>	196	3,735	8,400	12,331
<b>State Total</b>	<b>1,899</b>	<b>9,761</b>	<b>17,329</b>	<b>28,989</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,504	1,114	2,618
Administrative & Support Services	0	1,153	1,172	2,325
Mining (except Oil & Gas)	817	74	13	904
Food Services & Drinking Places	0	273	1,315	1,587
Fabricated Metal Product Manufacturing	6	1,179	177	1,362
Wholesalers	0	739	664	1,403
Real Estate	0	280	675	955
Machinery Manufacturing	1,352	363	45	1,760
Ambulatory Health Care Services	0	0	834	834
Hospitals	0	0	721	721
Management of Companies & Enterprises	0	552	246	798
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	125	543	669
Educational Services	0	7	704	712
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	220	367	587
Insurance Carriers & Related Activities	0	81	480	561
<i>All Other Industries</i>	200	4,079	8,839	13,118
<b>State Total</b>	<b>2,376</b>	<b>10,628</b>	<b>17,910</b>	<b>30,913</b>

Source: IHS Global Insight

**Indiana Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	261	320	580
Primary Metal Manufacturing	0	437	39	476
Fabricated Metal Product Manufacturing	14	387	59	460
Food Services & Drinking Places	0	55	330	385
Professional, Scientific, & Technical Services	0	211	167	377
Transportation Equipment Manufacturing	0	122	226	347
Wholesalers	0	97	154	251
Real Estate	0	73	191	264
Ambulatory Health Care Services	0	0	229	229
Machinery Manufacturing	0	129	18	148
Hospitals	0	0	187	187
Construction	0	132	56	188
Truck Transportation	0	78	100	178
Plastics & Rubber Products Manufacturing	0	102	64	166
Educational Services	0	1	151	153
<i>All Other Industries</i>	<i>0</i>	<i>839</i>	<i>2,511</i>	<i>3,350</i>
<b>State Total</b>	<b>14</b>	<b>2,923</b>	<b>4,802</b>	<b>7,739</b>

2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	439	525	965
Primary Metal Manufacturing	0	644	62	706
Fabricated Metal Product Manufacturing	107	610	97	814
Food Services & Drinking Places	0	89	525	613
Professional, Scientific, & Technical Services	0	350	268	618
Transportation Equipment Manufacturing	0	193	385	578
Wholesalers	0	156	247	403
Real Estate	0	125	316	441
Ambulatory Health Care Services	0	0	358	358
Machinery Manufacturing	0	183	28	211
Hospitals	0	0	297	297
Construction	0	210	81	291
Truck Transportation	0	122	158	280
Plastics & Rubber Products Manufacturing	0	172	108	280
Educational Services	0	2	246	249
<i>All Other Industries</i>	<i>1</i>	<i>1,333</i>	<i>4,067</i>	<i>5,401</i>
<b>State Total</b>	<b>108</b>	<b>4,629</b>	<b>7,767</b>	<b>12,505</b>

2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	474	543	1,017
Primary Metal Manufacturing	0	753	64	816
Fabricated Metal Product Manufacturing	216	753	111	1,080
Food Services & Drinking Places	0	94	539	633
Professional, Scientific, & Technical Services	0	363	272	636
Transportation Equipment Manufacturing	0	190	407	598
Wholesalers	0	186	259	445
Real Estate	0	120	308	429
Ambulatory Health Care Services	0	0	349	349
Machinery Manufacturing	0	218	30	249
Hospitals	0	0	305	305
Construction	0	172	79	250
Truck Transportation	0	128	146	274
Plastics & Rubber Products Manufacturing	0	187	113	300
Educational Services	0	2	254	256
<i>All Other Industries</i>	<i>2</i>	<i>1,417</i>	<i>4,096</i>	<i>5,514</i>
<b>State Total</b>	<b>218</b>	<b>5,057</b>	<b>7,875</b>	<b>13,151</b>

Source: IHS Global Insight

**Iowa Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	139	129	268
Crop Production	0	38	175	213
Food Services & Drinking Places	0	34	164	198
Primary Metal Manufacturing	178	81	9	269
Wholesalers	0	101	93	194
Mining (except Oil & Gas)	50	13	2	66
Professional, Scientific, & Technical Services	0	101	78	179
Fabricated Metal Product Manufacturing	17	128	19	164
Food Manufacturing	0	6	136	142
Truck Transportation	0	64	63	127
Construction	0	81	29	110
Insurance Carriers & Related Activities	0	13	86	100
Hospitals	0	0	103	103
Real Estate	0	29	73	102
Ambulatory Health Care Services	0	0	95	95
<i>All Other Industries</i>	<i>0</i>	<i>558</i>	<i>1,482</i>	<i>2,040</i>
<b>State Total</b>	<b>246</b>	<b>1,388</b>	<b>2,737</b>	<b>4,371</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	221	207	428
Crop Production	0	63	302	365
Food Services & Drinking Places	0	55	262	316
Primary Metal Manufacturing	258	113	13	384
Wholesalers	0	155	144	299
Mining (except Oil & Gas)	99	19	3	122
Professional, Scientific, & Technical Services	0	165	124	289
Fabricated Metal Product Manufacturing	72	225	33	330
Food Manufacturing	0	10	221	231
Truck Transportation	0	103	101	204
Construction	0	150	48	198
Insurance Carriers & Related Activities	0	20	123	143
Hospitals	0	0	154	154
Real Estate	0	47	112	159
Ambulatory Health Care Services	0	0	153	153
<i>All Other Industries</i>	<i>0</i>	<i>887</i>	<i>2,387</i>	<i>3,274</i>
<b>State Total</b>	<b>429</b>	<b>2,232</b>	<b>4,387</b>	<b>7,049</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	244	244	488
Crop Production	0	75	335	410
Food Services & Drinking Places	0	53	272	325
Primary Metal Manufacturing	156	124	12	293
Wholesalers	0	145	144	289
Mining (except Oil & Gas)	334	13	2	349
Professional, Scientific, & Technical Services	0	170	124	294
Fabricated Metal Product Manufacturing	126	325	43	494
Food Manufacturing	0	10	227	237
Truck Transportation	0	121	114	234
Construction	0	136	55	190
Insurance Carriers & Related Activities	0	21	127	148
Hospitals	0	0	153	153
Real Estate	0	43	107	150
Ambulatory Health Care Services	0	0	161	161
<i>All Other Industries</i>	<i>0</i>	<i>1,023</i>	<i>2,553</i>	<i>3,576</i>
<b>State Total</b>	<b>617</b>	<b>2,501</b>	<b>4,672</b>	<b>7,791</b>

Source: IHS Global Insight

**Kansas Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	34	297	138	469
Administrative & Support Services	0	217	190	407
Oil and Gas Extraction	592	35	10	637
Construction	281	158	32	470
Food Services & Drinking Places	0	53	257	310
Fabricated Metal Product Manufacturing	101	85	14	200
Wholesalers	0	98	109	206
Machinery Manufacturing	49	36	6	90
Real Estate	0	59	128	187
Ambulatory Health Care Services	0	0	177	177
Support Activities for Mining	266	18	0	284
Crop Production	0	23	104	127
Chemical Manufacturing	57	15	14	86
Utilities	139	31	17	187
Hospitals	0	0	129	129
<i>All Other Industries</i>	87	694	1,873	2,655
<b>State Total</b>	<b>1,607</b>	<b>1,817</b>	<b>3,198</b>	<b>6,622</b>

  

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	146	827	294	1,267
Administrative & Support Services	0	530	402	931
Oil and Gas Extraction	2,864	61	14	2,939
Construction	864	579	72	1,516
Food Services & Drinking Places	0	137	671	808
Fabricated Metal Product Manufacturing	196	149	24	369
Wholesalers	0	237	241	478
Machinery Manufacturing	121	57	10	187
Real Estate	0	152	292	444
Ambulatory Health Care Services	0	0	455	455
Support Activities for Mining	821	49	1	870
Crop Production	0	37	176	213
Chemical Manufacturing	132	27	24	183
Utilities	316	79	36	431
Hospitals	0	0	326	326
<i>All Other Industries</i>	216	1,706	4,479	6,401
<b>State Total</b>	<b>5,675</b>	<b>4,626</b>	<b>7,517</b>	<b>17,818</b>

  

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	273	1,652	479	2,404
Administrative & Support Services	0	950	602	1,552
Oil and Gas Extraction	6,079	78	13	6,170
Construction	1,750	1,189	118	3,056
Food Services & Drinking Places	0	265	1,262	1,527
Fabricated Metal Product Manufacturing	388	271	39	699
Wholesalers	0	451	396	847
Machinery Manufacturing	468	97	15	581
Real Estate	0	278	492	771
Ambulatory Health Care Services	0	0	856	856
Support Activities for Mining	1,683	91	1	1,774
Crop Production	0	42	185	227
Chemical Manufacturing	244	34	24	303
Utilities	616	151	58	825
Hospitals	0	0	603	603
<i>All Other Industries</i>	424	3,232	7,870	11,525
<b>State Total</b>	<b>11,925</b>	<b>8,781</b>	<b>13,013</b>	<b>33,719</b>

Source: IHS Global Insight

**Kentucky Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	164	201	366
Professional, Scientific, & Technical Services	0	149	130	279
Food Services & Drinking Places	0	36	218	254
Wholesalers	0	59	92	151
Fabricated Metal Product Manufacturing	10	122	19	151
Transportation Equipment Manufacturing	0	60	91	151
Mining (except Oil & Gas)	0	119	29	148
Ambulatory Health Care Services	0	0	142	142
Hospitals	0	0	125	125
Primary Metal Manufacturing	0	88	14	102
Real Estate	0	36	94	130
Animal Production	0	4	109	113
Crop Production	0	19	88	107
Construction	0	72	27	99
Couriers & Messengers	0	41	53	94
<i>All Other Industries</i>	<i>0</i>	<i>679</i>	<i>1,572</i>	<i>2,252</i>
<b>State Total</b>	<b>10</b>	<b>1,648</b>	<b>3,005</b>	<b>4,663</b>

2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	275	331	606
Professional, Scientific, & Technical Services	0	250	211	460
Food Services & Drinking Places	0	58	339	396
Wholesalers	0	94	147	241
Fabricated Metal Product Manufacturing	85	202	33	320
Transportation Equipment Manufacturing	0	96	150	246
Mining (except Oil & Gas)	0	160	39	200
Ambulatory Health Care Services	0	0	225	225
Hospitals	0	0	200	200
Primary Metal Manufacturing	0	148	23	171
Real Estate	0	60	150	209
Animal Production	0	6	187	193
Crop Production	0	31	150	181
Construction	0	127	44	172
Couriers & Messengers	0	68	87	155
<i>All Other Industries</i>	<i>0</i>	<i>1,062</i>	<i>2,585</i>	<i>3,647</i>
<b>State Total</b>	<b>85</b>	<b>2,638</b>	<b>4,899</b>	<b>7,622</b>

2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	285	329	614
Professional, Scientific, & Technical Services	0	218	183	401
Food Services & Drinking Places	0	56	316	372
Wholesalers	0	109	151	259
Fabricated Metal Product Manufacturing	146	291	42	479
Transportation Equipment Manufacturing	0	99	161	260
Mining (except Oil & Gas)	0	137	33	170
Ambulatory Health Care Services	0	0	218	218
Hospitals	0	0	205	205
Primary Metal Manufacturing	0	238	26	264
Real Estate	0	54	136	190
Animal Production	0	7	205	212
Crop Production	0	36	161	197
Construction	0	104	46	150
Couriers & Messengers	0	73	88	161
<i>All Other Industries</i>	<i>0</i>	<i>1,190</i>	<i>2,695</i>	<i>3,885</i>
<b>State Total</b>	<b>146</b>	<b>2,896</b>	<b>4,994</b>	<b>8,037</b>

Source: IHS Global Insight

**Louisiana Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Support Activities for Mining	280	532	21	832
Construction	538	159	51	749
Professional, Scientific, & Technical Services	27	642	262	930
Oil and Gas Extraction	0	140	41	181
Food Services & Drinking Places	0	101	406	507
Administrative & Support Services	0	329	238	568
Fabricated Metal Product Manufacturing	781	362	31	1,174
Ambulatory Health Care Services	0	0	258	258
Wholesalers	0	206	149	355
Utilities	0	28	22	50
Real Estate	0	84	180	264
Hospitals	0	0	183	183
Management of Companies & Enterprises	0	130	51	180
Social Assistance	0	0	191	191
Truck Transportation	0	75	50	126
<i>All Other Industries</i>	156	1,097	2,437	3,690
<b>State Total</b>	<b>1,782</b>	<b>3,884</b>	<b>4,571</b>	<b>10,237</b>

2020	Direct	Indirect	Induced	Total
Support Activities for Mining	0	271	9	280
Construction	0	237	67	304
Professional, Scientific, & Technical Services	0	517	322	839
Oil and Gas Extraction	0	243	69	311
Food Services & Drinking Places	0	132	580	712
Administrative & Support Services	0	437	348	785
Fabricated Metal Product Manufacturing	909	471	49	1,429
Ambulatory Health Care Services	0	0	367	367
Wholesalers	0	264	219	483
Utilities	0	38	32	71
Real Estate	0	125	270	395
Hospitals	0	0	250	250
Management of Companies & Enterprises	0	174	74	248
Social Assistance	0	0	271	271
Truck Transportation	0	95	71	166
<i>All Other Industries</i>	175	1,603	3,615	5,393
<b>State Total</b>	<b>1,084</b>	<b>4,609</b>	<b>6,612</b>	<b>12,305</b>

2035	Direct	Indirect	Induced	Total
Support Activities for Mining	5,726	467	9	6,202
Construction	10,126	1,797	194	12,117
Professional, Scientific, & Technical Services	774	2,831	757	4,362
Oil and Gas Extraction	2,952	334	87	3,373
Food Services & Drinking Places	0	464	2,000	2,463
Administrative & Support Services	0	1,649	880	2,529
Fabricated Metal Product Manufacturing	651	640	59	1,350
Ambulatory Health Care Services	0	0	1,399	1,400
Wholesalers	0	797	602	1,399
Utilities	657	124	81	862
Real Estate	0	398	714	1,113
Hospitals	0	0	948	948
Management of Companies & Enterprises	0	796	116	911
Social Assistance	0	0	857	857
Truck Transportation	393	340	177	910
<i>All Other Industries</i>	498	4,526	10,325	15,349
<b>State Total</b>	<b>21,777</b>	<b>15,162</b>	<b>19,205</b>	<b>56,144</b>

Source: IHS Global Insight

**Maine Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	96	79	175
Administrative & Support Services	0	71	86	157
Food Services & Drinking Places	0	22	131	153
Hospitals	0	0	114	114
Social Assistance	0	0	100	100
Real Estate	0	27	73	100
Ambulatory Health Care Services	0	0	89	89
Educational Services	0	1	84	85
Nursing & Residential Care Facilities	0	0	84	84
Wholesalers	0	33	49	82
Fabricated Metal Product Manufacturing	0	68	12	80
Construction	0	54	22	75
Nonstore Retailers	0	3	70	73
Accommodation	0	18	52	71
Management of Companies & Enterprises	0	41	22	63
<i>All Other Industries</i>	<i>0</i>	<i>332</i>	<i>935</i>	<i>1,267</i>
<b>State Total</b>	<b>0</b>	<b>766</b>	<b>2,003</b>	<b>2,769</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	161	131	292
Administrative & Support Services	0	119	145	264
Food Services & Drinking Places	0	37	222	259
Hospitals	0	0	198	198
Social Assistance	0	0	173	173
Real Estate	0	49	128	177
Ambulatory Health Care Services	0	0	135	135
Educational Services	0	1	132	133
Nursing & Residential Care Facilities	0	0	137	137
Wholesalers	0	54	84	138
Fabricated Metal Product Manufacturing	0	113	21	134
Construction	0	85	30	115
Nonstore Retailers	0	4	99	103
Accommodation	0	22	71	92
Management of Companies & Enterprises	0	65	34	99
<i>All Other Industries</i>	<i>0</i>	<i>553</i>	<i>1,568</i>	<i>2,122</i>
<b>State Total</b>	<b>0</b>	<b>1,264</b>	<b>3,307</b>	<b>4,571</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	167	138	304
Administrative & Support Services	0	134	161	295
Food Services & Drinking Places	0	40	236	276
Hospitals	0	0	224	224
Social Assistance	0	0	196	196
Real Estate	0	53	137	190
Ambulatory Health Care Services	0	0	135	135
Educational Services	0	1	126	127
Nursing & Residential Care Facilities	0	0	145	145
Wholesalers	0	61	91	151
Fabricated Metal Product Manufacturing	0	143	27	171
Construction	0	79	30	110
Nonstore Retailers	0	5	94	98
Accommodation	0	12	71	83
Management of Companies & Enterprises	0	60	33	93
<i>All Other Industries</i>	<i>0</i>	<i>654</i>	<i>1,755</i>	<i>2,409</i>
<b>State Total</b>	<b>0</b>	<b>1,409</b>	<b>3,598</b>	<b>5,007</b>

Source: IHS Global Insight

**Maryland Employment Contribution by State and Industry: Unconventional Oil**  
(Number of workers)

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	483	350	833
Administrative & Support Services	0	215	262	477
Real Estate	0	101	265	366
Food Services & Drinking Places	0	46	279	325
Construction	0	175	75	250
Ambulatory Health Care Services	0	0	208	208
Wholesalers	0	70	111	180
Hospitals	0	0	180	180
Educational Services	0	2	187	189
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	20	131	150
Nursing & Residential Care Facilities	0	0	123	123
Social Assistance	0	0	120	120
Food & Beverage Stores	0	4	113	117
Repair & Maintenance	0	33	76	109
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	32	75	107
<i>All Other Industries</i>	0	673	1,461	2,134
<b>State Total</b>	<b>0</b>	<b>1,852</b>	<b>4,016</b>	<b>5,869</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	759	544	1,303
Administrative & Support Services	0	336	407	742
Real Estate	0	168	426	594
Food Services & Drinking Places	0	74	453	528
Construction	0	329	122	451
Ambulatory Health Care Services	0	0	344	344
Wholesalers	0	104	172	276
Hospitals	0	0	286	286
Educational Services	0	3	297	300
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	37	230	268
Nursing & Residential Care Facilities	0	0	196	196
Social Assistance	0	0	186	186
Food & Beverage Stores	0	6	186	192
Repair & Maintenance	0	48	109	157
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	51	121	172
<i>All Other Industries</i>	0	1,071	2,337	3,408
<b>State Total</b>	<b>0</b>	<b>2,986</b>	<b>6,416</b>	<b>9,402</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	593	424	1,017
Administrative & Support Services	0	335	396	731
Real Estate	0	154	401	555
Food Services & Drinking Places	0	78	475	552
Construction	0	286	121	407
Ambulatory Health Care Services	0	0	346	346
Wholesalers	0	114	175	289
Hospitals	0	0	289	289
Educational Services	0	3	337	339
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	54	265	319
Nursing & Residential Care Facilities	0	0	190	190
Social Assistance	0	0	167	167
Food & Beverage Stores	0	7	197	203
Repair & Maintenance	0	47	98	145
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	47	108	155
<i>All Other Industries</i>	0	1,052	2,316	3,368
<b>State Total</b>	<b>0</b>	<b>2,770</b>	<b>6,303</b>	<b>9,074</b>

Source: IHS Global Insight

Massachusetts Employment Contribution by State and Industry: Unconventional Oil (Number of workers)				
2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	551	419	970
Administrative & Support Services	0	251	310	561
Food Services & Drinking Places	0	61	370	432
Educational Services	0	3	346	349
Hospitals	0	0	307	307
Real Estate	0	88	231	320
Wholesalers	0	102	161	262
Fabricated Metal Product Manufacturing	0	220	39	258
Securities, Commodity Contracts, & Other Fina	0	80	188	268
Ambulatory Health Care Services	0	0	274	274
Management of Companies & Enterprises	0	162	87	249
Social Assistance	0	0	189	189
Construction	0	122	56	177
Nursing & Residential Care Facilities	0	0	173	173
Food & Beverage Stores	0	6	168	174
<i>All Other Industries</i>	5	832	2,107	2,944
<b>State Total</b>	<b>5</b>	<b>2,477</b>	<b>5,425</b>	<b>7,907</b>
2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	847	652	1,500
Administrative & Support Services	0	399	488	887
Food Services & Drinking Places	0	96	582	678
Educational Services	0	5	552	557
Hospitals	0	0	475	475
Real Estate	0	136	345	481
Wholesalers	0	158	256	415
Fabricated Metal Product Manufacturing	0	338	61	399
Securities, Commodity Contracts, & Other Fina	0	124	293	417
Ambulatory Health Care Services	0	0	428	428
Management of Companies & Enterprises	0	236	127	363
Social Assistance	0	0	303	303
Construction	0	213	91	304
Nursing & Residential Care Facilities	0	0	258	258
Food & Beverage Stores	0	9	269	278
<i>All Other Industries</i>	43	1,309	3,276	4,629
<b>State Total</b>	<b>43</b>	<b>3,872</b>	<b>8,456</b>	<b>12,371</b>
2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	771	609	1,380
Administrative & Support Services	0	366	434	800
Food Services & Drinking Places	0	93	558	651
Educational Services	0	5	502	508
Hospitals	0	0	459	459
Real Estate	0	108	277	385
Wholesalers	0	165	240	405
Fabricated Metal Product Manufacturing	0	269	45	314
Securities, Commodity Contracts, & Other Fina	0	119	270	389
Ambulatory Health Care Services	0	0	396	396
Management of Companies & Enterprises	0	194	105	299
Social Assistance	0	0	283	283
Construction	0	167	93	260
Nursing & Residential Care Facilities	0	0	231	231
Food & Beverage Stores	0	9	255	264
<i>All Other Industries</i>	81	1,258	3,068	4,408
<b>State Total</b>	<b>81</b>	<b>3,525</b>	<b>7,826</b>	<b>11,432</b>

Source: IHS Global Insight

**Michigan Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Machinery Manufacturing	4,642	212	23	4,876
Professional, Scientific, & Technical Services	0	836	520	1,356
Administrative & Support Services	0	608	664	1,272
Food Services & Drinking Places	0	161	832	993
Fabricated Metal Product Manufacturing	0	613	85	697
Real Estate	0	187	443	630
Wholesalers	0	265	302	567
Ambulatory Health Care Services	0	0	595	595
Hospitals	0	0	502	502
Transportation Equipment Manufacturing	0	108	268	375
Management of Companies & Enterprises	0	299	94	393
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	47	276	323
Social Assistance	0	0	317	317
General Merchandise Stores	0	7	288	295
Primary Metal Manufacturing	0	258	20	278
<i>All Other Industries</i>	13	1,721	4,674	6,409
<b>State Total</b>	<b>4,655</b>	<b>5,320</b>	<b>9,902</b>	<b>19,876</b>

2020	Direct	Indirect	Induced	Total
Machinery Manufacturing	6,915	335	40	7,290
Professional, Scientific, & Technical Services	0	1,360	818	2,178
Administrative & Support Services	0	951	1,012	1,963
Food Services & Drinking Places	0	263	1,338	1,601
Fabricated Metal Product Manufacturing	0	1,095	155	1,251
Real Estate	0	304	699	1,003
Wholesalers	0	426	481	908
Ambulatory Health Care Services	0	0	912	912
Hospitals	0	0	776	776
Transportation Equipment Manufacturing	0	183	413	595
Management of Companies & Enterprises	0	471	143	614
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	75	435	510
Social Assistance	0	0	502	502
General Merchandise Stores	0	11	462	473
Primary Metal Manufacturing	0	440	36	477
<i>All Other Industries</i>	111	2,858	7,435	10,404
<b>State Total</b>	<b>7,027</b>	<b>8,772</b>	<b>15,658</b>	<b>31,456</b>

2035	Direct	Indirect	Induced	Total
Machinery Manufacturing	6,147	424	46	6,616
Professional, Scientific, & Technical Services	0	1,415	847	2,261
Administrative & Support Services	0	904	929	1,833
Food Services & Drinking Places	0	269	1,347	1,616
Fabricated Metal Product Manufacturing	0	1,431	194	1,625
Real Estate	0	286	664	951
Wholesalers	0	460	492	952
Ambulatory Health Care Services	0	0	867	867
Hospitals	0	0	784	784
Transportation Equipment Manufacturing	0	204	406	610
Management of Companies & Enterprises	0	516	168	683
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	81	430	511
Social Assistance	0	0	508	508
General Merchandise Stores	0	11	465	476
Primary Metal Manufacturing	0	611	44	655
<i>All Other Industries</i>	182	3,007	7,458	10,647
<b>State Total</b>	<b>6,329</b>	<b>9,618</b>	<b>15,650</b>	<b>31,597</b>

Source: IHS Global Insight

**Minnesota Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Mining (except Oil & Gas)	2,020	82	3	2,105
Professional, Scientific, & Technical Services	0	440	293	733
Administrative & Support Services	0	275	318	594
Food Services & Drinking Places	0	64	440	504
Real Estate	0	106	306	412
Management of Companies & Enterprises	0	233	113	345
Wholesalers	0	128	214	342
Fabricated Metal Product Manufacturing	0	255	49	304
Ambulatory Health Care Services	0	0	342	342
Social Assistance	0	0	275	275
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	42	203	244
Hospitals	0	0	249	249
Nursing & Residential Care Facilities	0	0	241	241
Crop Production	0	33	155	188
Educational Services	0	2	221	223
<i>All Other Industries</i>	0	1,335	2,885	4,220
<b>State Total</b>	<b>2,020</b>	<b>2,996</b>	<b>6,306</b>	<b>11,321</b>

2020	Direct	Indirect	Induced	Total
Mining (except Oil & Gas)	3,948	130	5	4,083
Professional, Scientific, & Technical Services	0	788	497	1,285
Administrative & Support Services	0	482	548	1,030
Food Services & Drinking Places	0	111	779	890
Real Estate	0	188	537	726
Management of Companies & Enterprises	0	376	178	553
Wholesalers	0	211	365	576
Fabricated Metal Product Manufacturing	0	410	81	491
Ambulatory Health Care Services	0	0	588	588
Social Assistance	0	0	470	470
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	78	358	436
Hospitals	0	0	423	423
Nursing & Residential Care Facilities	0	0	423	423
Crop Production	0	50	244	294
Educational Services	0	3	397	401
<i>All Other Industries</i>	0	2,314	5,004	7,318
<b>State Total</b>	<b>3,948</b>	<b>5,143</b>	<b>10,896</b>	<b>19,986</b>

2035	Direct	Indirect	Induced	Total
Mining (except Oil & Gas)	3,821	154	6	3,980
Professional, Scientific, & Technical Services	0	846	514	1,360
Administrative & Support Services	0	492	513	1,005
Food Services & Drinking Places	0	137	835	972
Real Estate	0	183	530	713
Management of Companies & Enterprises	0	373	171	544
Wholesalers	0	277	395	672
Fabricated Metal Product Manufacturing	0	429	74	503
Ambulatory Health Care Services	0	0	598	598
Social Assistance	0	0	466	466
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	99	398	498
Hospitals	0	0	452	452
Nursing & Residential Care Facilities	0	0	451	451
Crop Production	0	54	247	301
Educational Services	0	3	417	420
<i>All Other Industries</i>	182	2,506	5,295	7,983
<b>State Total</b>	<b>4,003</b>	<b>5,555</b>	<b>11,362</b>	<b>20,919</b>

Source: IHS Global Insight

**Mississippi Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	77	93	170
Food Services & Drinking Places	0	20	120	140
Professional, Scientific, & Technical Services	0	65	54	120
Accommodation	0	33	61	95
Ambulatory Health Care Services	0	0	85	85
Real Estate	0	23	60	83
Furniture & Related Product Manufacturing	0	2	73	75
Postal Service	0	26	47	72
Wholesalers	0	27	43	69
Food Manufacturing	0	2	68	70
Crop Production	0	12	54	65
Construction	0	44	15	59
Fabricated Metal Product Manufacturing	0	48	9	58
General Merchandise Stores	0	2	55	57
Animal Production	0	2	53	55
<i>All Other Industries</i>	<i>0</i>	<i>401</i>	<i>850</i>	<i>1,251</i>
<b>State Total</b>	<b>0</b>	<b>785</b>	<b>1,739</b>	<b>2,524</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	135	163	298
Food Services & Drinking Places	0	31	190	221
Professional, Scientific, & Technical Services	0	111	89	200
Accommodation	0	51	98	149
Ambulatory Health Care Services	0	0	152	152
Real Estate	0	37	94	132
Furniture & Related Product Manufacturing	0	5	140	145
Postal Service	0	45	83	128
Wholesalers	0	41	68	109
Food Manufacturing	0	4	108	112
Crop Production	0	20	95	115
Construction	0	82	25	106
Fabricated Metal Product Manufacturing	0	80	16	96
General Merchandise Stores	0	3	84	86
Animal Production	0	3	91	94
<i>All Other Industries</i>	<i>2</i>	<i>636</i>	<i>1,376</i>	<i>2,013</i>
<b>State Total</b>	<b>2</b>	<b>1,283</b>	<b>2,872</b>	<b>4,156</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	429	320	749
Food Services & Drinking Places	0	114	590	705
Professional, Scientific, & Technical Services	125	604	192	920
Accommodation	0	67	120	187
Ambulatory Health Care Services	0	0	404	404
Real Estate	0	114	223	337
Furniture & Related Product Manufacturing	0	6	131	137
Postal Service	0	58	92	150
Wholesalers	0	145	148	293
Food Manufacturing	0	4	114	118
Crop Production	0	28	113	141
Construction	778	486	62	1,326
Fabricated Metal Product Manufacturing	0	85	14	99
General Merchandise Stores	0	20	204	224
Animal Production	0	4	105	109
<i>All Other Industries</i>	<i>2,931</i>	<i>1,510</i>	<i>3,281</i>	<i>7,722</i>
<b>State Total</b>	<b>3,834</b>	<b>3,673</b>	<b>6,113</b>	<b>13,620</b>

Source: IHS Global Insight

**Missouri Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Machinery Manufacturing	5,946	75	13	6,034
Professional, Scientific, & Technical Services	0	598	349	947
Administrative & Support Services	0	474	445	920
Food Services & Drinking Places	0	158	728	886
Mining (except Oil & Gas)	536	37	5	577
Real Estate	0	190	401	591
Wholesalers	0	283	273	556
Management of Companies & Enterprises	0	384	108	492
Ambulatory Health Care Services	0	0	474	474
Hospitals	0	0	401	401
Truck Transportation	0	230	100	329
Social Assistance	0	0	312	312
Nursing & Residential Care Facilities	0	0	268	268
Educational Services	0	2	259	261
Insurance Carriers & Related Activities	0	35	209	244
<i>All Other Industries</i>	31	1,790	3,975	5,796
<b>State Total</b>	<b>6,513</b>	<b>4,256</b>	<b>8,319</b>	<b>19,087</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Machinery Manufacturing	7,640	129	23	7,792
Professional, Scientific, & Technical Services	0	915	532	1,447
Administrative & Support Services	0	720	694	1,414
Food Services & Drinking Places	0	227	1,061	1,288
Mining (except Oil & Gas)	682	48	7	737
Real Estate	0	283	595	878
Wholesalers	0	405	408	812
Management of Companies & Enterprises	0	541	158	699
Ambulatory Health Care Services	0	0	678	679
Hospitals	0	0	575	575
Truck Transportation	0	324	150	473
Social Assistance	0	0	456	456
Nursing & Residential Care Facilities	0	0	376	376
Educational Services	0	3	383	386
Insurance Carriers & Related Activities	0	52	307	359
<i>All Other Industries</i>	48	2,702	5,972	8,723
<b>State Total</b>	<b>8,370</b>	<b>6,350</b>	<b>12,375</b>	<b>27,096</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Machinery Manufacturing	7,452	174	30	7,657
Professional, Scientific, & Technical Services	0	1,000	560	1,560
Administrative & Support Services	0	749	710	1,458
Food Services & Drinking Places	0	239	1,119	1,357
Mining (except Oil & Gas)	819	46	6	870
Real Estate	0	282	593	875
Wholesalers	0	436	421	856
Management of Companies & Enterprises	0	527	141	668
Ambulatory Health Care Services	0	0	698	698
Hospitals	0	0	586	586
Truck Transportation	0	353	151	505
Social Assistance	0	0	463	463
Nursing & Residential Care Facilities	0	0	379	379
Educational Services	0	3	396	399
Insurance Carriers & Related Activities	0	53	316	369
<i>All Other Industries</i>	34	2,964	6,233	9,231
<b>State Total</b>	<b>8,305</b>	<b>6,826</b>	<b>12,801</b>	<b>27,932</b>

Source: IHS Global Insight

**Montana Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Oil and Gas Extraction	1,954	10	3	1,968
Construction	208	471	39	718
Professional, Scientific, & Technical Services	24	503	143	670
Food Services & Drinking Places	0	58	370	428
Administrative & Support Services	0	229	151	380
Real Estate	0	111	171	281
Ambulatory Health Care Services	0	0	235	235
Wholesalers	0	92	113	205
Hospitals	0	0	202	202
Support Activities for Mining	181	32	0	214
Utilities	149	31	17	197
Social Assistance	0	0	165	165
Repair & Maintenance	0	52	86	138
Truck Transportation	65	35	33	133
Insurance Carriers & Related Activities	32	41	57	130
<i>All Other Industries</i>	<i>1</i>	<i>689</i>	<i>1,802</i>	<i>2,492</i>
<b>State Total</b>	<b>2,615</b>	<b>2,355</b>	<b>3,587</b>	<b>8,556</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Oil and Gas Extraction	2,919	20	6	2,946
Construction	689	753	67	1,509
Professional, Scientific, & Technical Services	113	904	243	1,260
Food Services & Drinking Places	0	116	628	743
Administrative & Support Services	0	415	254	669
Real Estate	0	194	292	486
Ambulatory Health Care Services	0	0	399	399
Wholesalers	0	170	191	360
Hospitals	0	0	344	344
Support Activities for Mining	501	48	0	550
Utilities	208	51	28	286
Social Assistance	0	0	278	278
Repair & Maintenance	0	100	145	245
Truck Transportation	106	63	51	220
Insurance Carriers & Related Activities	46	66	94	206
<i>All Other Industries</i>	<i>1</i>	<i>1,222</i>	<i>3,074</i>	<i>4,296</i>
<b>State Total</b>	<b>4,584</b>	<b>4,122</b>	<b>6,092</b>	<b>14,798</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Oil and Gas Extraction	2,549	26	8	2,584
Construction	991	744	74	1,809
Professional, Scientific, & Technical Services	168	1,046	260	1,474
Food Services & Drinking Places	0	142	682	824
Administrative & Support Services	0	486	277	763
Real Estate	0	213	318	530
Ambulatory Health Care Services	0	0	437	437
Wholesalers	0	203	209	412
Hospitals	0	0	378	378
Support Activities for Mining	711	54	1	766
Utilities	295	52	28	375
Social Assistance	0	0	301	301
Repair & Maintenance	0	121	157	278
Truck Transportation	151	81	55	287
Insurance Carriers & Related Activities	66	92	105	263
<i>All Other Industries</i>	<i>1</i>	<i>1,380</i>	<i>3,349</i>	<i>4,731</i>
<b>State Total</b>	<b>4,933</b>	<b>4,641</b>	<b>6,638</b>	<b>16,212</b>

Source: IHS Global Insight

**Nebraska Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	0	140	86	226
Primary Metal Manufacturing	314	27	1	342
Administrative & Support Services	0	142	87	228
Fabricated Metal Product Manufacturing	200	48	6	254
Wholesalers	0	136	64	199
Food Services & Drinking Places	0	41	136	178
Crop Production	0	19	87	105
Truck Transportation	0	69	50	119
Rail Transportation	0	64	30	94
Food Manufacturing	0	3	90	93
Insurance Carriers & Related Activities	0	13	77	90
Management of Companies & Enterprises	0	70	27	97
Real Estate	0	30	65	95
Hospitals	0	0	89	89
Ambulatory Health Care Services	0	0	88	88
<i>All Other Industries</i>	<i>0</i>	<i>414</i>	<i>984</i>	<i>1,398</i>
<b>State Total</b>	<b>514</b>	<b>1,215</b>	<b>1,967</b>	<b>3,696</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	0	219	138	357
Primary Metal Manufacturing	454	46	2	502
Administrative & Support Services	0	216	129	345
Fabricated Metal Product Manufacturing	311	81	11	403
Wholesalers	0	209	99	308
Food Services & Drinking Places	0	65	216	281
Crop Production	0	29	140	169
Truck Transportation	0	110	82	192
Rail Transportation	0	94	46	140
Food Manufacturing	0	5	145	150
Insurance Carriers & Related Activities	0	23	126	148
Management of Companies & Enterprises	0	134	56	189
Real Estate	0	50	105	154
Hospitals	0	0	140	140
Ambulatory Health Care Services	0	0	142	142
<i>All Other Industries</i>	<i>0</i>	<i>670</i>	<i>1,619</i>	<i>2,289</i>
<b>State Total</b>	<b>764</b>	<b>1,949</b>	<b>3,196</b>	<b>5,910</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	0	184	130	314
Primary Metal Manufacturing	279	59	3	340
Administrative & Support Services	0	162	100	262
Fabricated Metal Product Manufacturing	236	105	14	355
Wholesalers	0	164	92	256
Food Services & Drinking Places	0	55	207	263
Crop Production	0	30	136	166
Truck Transportation	0	101	81	181
Rail Transportation	0	85	39	124
Food Manufacturing	0	5	136	141
Insurance Carriers & Related Activities	0	22	125	147
Management of Companies & Enterprises	0	169	82	252
Real Estate	0	42	93	135
Hospitals	0	0	137	137
Ambulatory Health Care Services	0	0	133	133
<i>All Other Industries</i>	<i>0</i>	<i>625</i>	<i>1,564</i>	<i>2,189</i>
<b>State Total</b>	<b>515</b>	<b>1,808</b>	<b>3,074</b>	<b>5,397</b>

Source: IHS Global Insight

**Nevada Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Accommodation	0	232	405	637
Administrative & Support Services	0	122	134	256
Professional, Scientific, & Technical Services	0	110	82	191
Food Services & Drinking Places	0	26	156	182
Real Estate	0	51	132	182
Mining (except Oil & Gas)	0	103	10	113
Amusement, Gambling, & Recreation Industries	0	2	85	88
Management of Companies & Enterprises	0	51	27	77
Construction	0	56	20	76
Wholesalers	0	29	44	73
Ambulatory Health Care Services	0	0	77	77
Transit & Ground Passenger Transport	0	22	37	59
Performing Arts, Spectator Sports, & Related Industries	0	15	40	55
Support Activities for Mining	0	39	1	40
Repair & Maintenance	0	12	32	45
<i>All Other Industries</i>	16	228	728	971
<b>State Total</b>	<b>16</b>	<b>1,098</b>	<b>2,009</b>	<b>3,124</b>

2020	Direct	Indirect	Induced	Total
Accommodation	0	373	685	1,058
Administrative & Support Services	0	198	223	420
Professional, Scientific, & Technical Services	0	164	131	296
Food Services & Drinking Places	0	45	269	314
Real Estate	0	98	248	346
Mining (except Oil & Gas)	0	158	17	175
Amusement, Gambling, & Recreation Industries	0	4	147	151
Management of Companies & Enterprises	0	87	47	134
Construction	0	98	32	129
Wholesalers	0	45	71	116
Ambulatory Health Care Services	0	0	120	120
Transit & Ground Passenger Transport	0	33	57	89
Performing Arts, Spectator Sports, & Related Industries	0	32	88	121
Support Activities for Mining	0	40	1	41
Repair & Maintenance	0	24	61	85
<i>All Other Industries</i>	21	375	1,258	1,654
<b>State Total</b>	<b>21</b>	<b>1,773</b>	<b>3,453</b>	<b>5,247</b>

2035	Direct	Indirect	Induced	Total
Accommodation	0	415	707	1,122
Administrative & Support Services	0	237	256	494
Professional, Scientific, & Technical Services	0	155	131	286
Food Services & Drinking Places	0	50	301	351
Real Estate	0	98	253	351
Mining (except Oil & Gas)	0	184	17	201
Amusement, Gambling, & Recreation Industries	0	4	133	137
Management of Companies & Enterprises	0	96	53	149
Construction	0	100	39	139
Wholesalers	0	56	79	135
Ambulatory Health Care Services	0	0	138	138
Transit & Ground Passenger Transport	0	37	62	99
Performing Arts, Spectator Sports, & Related Industries	0	36	97	133
Support Activities for Mining	0	37	1	38
Repair & Maintenance	0	26	60	86
<i>All Other Industries</i>	30	400	1,394	1,824
<b>State Total</b>	<b>30</b>	<b>1,933</b>	<b>3,721</b>	<b>5,685</b>

Source: IHS Global Insight

**New Hampshire Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	60	49	108
Fabricated Metal Product Manufacturing	0	88	10	98
Administrative & Support Services	0	41	51	93
Food Services & Drinking Places	0	11	69	80
Educational Services	0	1	63	64
Wholesalers	0	22	35	57
Real Estate	0	16	42	58
Ambulatory Health Care Services	0	0	49	49
Hospitals	0	0	45	45
Food & Beverage Stores	0	1	36	37
Management of Companies & Enterprises	0	22	12	34
Construction	0	25	10	35
Social Assistance	0	0	34	34
Insurance Carriers & Related Activities	0	4	27	31
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	10	23	33
<i>All Other Industries</i>	<i>0</i>	<i>196</i>	<i>466</i>	<i>662</i>
<b>State Total</b>	<b>0</b>	<b>497</b>	<b>1,021</b>	<b>1,518</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	99	78	178
Fabricated Metal Product Manufacturing	0	137	16	154
Administrative & Support Services	0	67	84	151
Food Services & Drinking Places	0	18	107	125
Educational Services	0	1	95	96
Wholesalers	0	34	57	91
Real Estate	0	28	70	98
Ambulatory Health Care Services	0	0	73	73
Hospitals	0	0	70	70
Food & Beverage Stores	0	2	56	58
Management of Companies & Enterprises	0	34	18	52
Construction	0	40	14	54
Social Assistance	0	0	55	55
Insurance Carriers & Related Activities	0	7	42	49
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	15	34	49
<i>All Other Industries</i>	<i>0</i>	<i>292</i>	<i>743</i>	<i>1,035</i>
<b>State Total</b>	<b>0</b>	<b>773</b>	<b>1,614</b>	<b>2,387</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	94	74	168
Fabricated Metal Product Manufacturing	0	118	14	132
Administrative & Support Services	0	67	81	148
Food Services & Drinking Places	0	17	102	118
Educational Services	0	1	87	88
Wholesalers	0	38	58	96
Real Estate	0	24	62	85
Ambulatory Health Care Services	0	0	63	63
Hospitals	0	0	69	69
Food & Beverage Stores	0	2	56	58
Management of Companies & Enterprises	0	29	16	45
Construction	0	32	13	44
Social Assistance	0	0	53	53
Insurance Carriers & Related Activities	0	7	47	54
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	13	30	43
<i>All Other Industries</i>	<i>0</i>	<i>296</i>	<i>735</i>	<i>1,031</i>
<b>State Total</b>	<b>0</b>	<b>736</b>	<b>1,559</b>	<b>2,295</b>

Source: IHS Global Insight

America's New Energy Future: The Unconventional Oil and Gas Revolution and the US Economy  
Appendix B – Employment Contributions by State, Industry, and Year

**New Jersey Employment Contribution by State and Industry: Unconventional Oil**  
(Number of workers)

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	577	471	1,048
Administrative & Support Services	0	369	448	817
Wholesalers	0	178	277	455
Real Estate	0	131	340	471
Food Services & Drinking Places	0	59	352	411
Ambulatory Health Care Services	0	0	358	358
Management of Companies & Enterprises	0	208	111	319
Hospitals	0	0	271	271
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	84	196	280
Educational Services	0	2	238	240
Accommodation	0	64	148	212
Construction	0	141	64	205
Insurance Carriers & Related Activities	0	25	168	193
Chemical Manufacturing	0	59	138	197
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	26	163	189
<i>All Other Industries</i>	42	1,098	2,862	4,002
<b>State Total</b>	<b>42</b>	<b>3,021</b>	<b>6,606</b>	<b>9,669</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	934	746	1,680
Administrative & Support Services	0	556	650	1,207
Wholesalers	0	303	439	743
Real Estate	0	217	534	751
Food Services & Drinking Places	0	105	592	697
Ambulatory Health Care Services	0	0	586	586
Management of Companies & Enterprises	0	338	176	514
Hospitals	0	0	426	426
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	136	302	437
Educational Services	0	4	391	395
Accommodation	0	101	239	340
Construction	0	271	110	380
Insurance Carriers & Related Activities	0	46	289	335
Chemical Manufacturing	0	85	214	299
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	50	285	336
<i>All Other Industries</i>	349	1,875	4,777	7,000
<b>State Total</b>	<b>349</b>	<b>5,021</b>	<b>10,756</b>	<b>16,126</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	904	706	1,610
Administrative & Support Services	0	480	523	1,003
Wholesalers	0	358	442	800
Real Estate	0	201	492	694
Food Services & Drinking Places	0	113	607	721
Ambulatory Health Care Services	0	0	580	580
Management of Companies & Enterprises	0	326	167	493
Hospitals	0	0	425	425
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	135	276	410
Educational Services	0	5	372	377
Accommodation	0	98	202	300
Construction	0	197	96	293
Insurance Carriers & Related Activities	0	52	326	378
Chemical Manufacturing	0	80	217	298
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	67	298	365
<i>All Other Industries</i>	595	1,908	4,966	7,470
<b>State Total</b>	<b>595</b>	<b>4,924</b>	<b>10,697</b>	<b>16,216</b>

Source: IHS Global Insight

New Mexico Employment Contribution by State and Industry: Unconventional Oil (Number of workers)				
2012	Direct	Indirect	Induced	Total
Oil and Gas Extraction	2,596	141	37	2,775
Construction	784	681	68	1,533
Professional, Scientific, & Technical Services	69	1,007	240	1,316
Machinery Manufacturing	485	11	1	496
Support Activities for Mining	1,138	228	5	1,371
Administrative & Support Services	0	500	260	761
Food Services & Drinking Places	0	167	618	785
Wholesalers	0	271	174	444
Real Estate	0	195	291	486
Ambulatory Health Care Services	0	0	487	487
Management of Companies & Enterprises	0	263	44	306
Social Assistance	0	0	311	311
Repair & Maintenance	0	105	134	239
Hospitals	0	0	245	245
Utilities	170	72	27	269
<i>All Other Industries</i>	192	1,370	3,042	4,604
<b>State Total</b>	<b>5,433</b>	<b>5,011</b>	<b>5,984</b>	<b>16,429</b>
2020	Direct	Indirect	Induced	Total
Oil and Gas Extraction	3,308	164	42	3,514
Construction	613	987	96	1,697
Professional, Scientific, & Technical Services	93	1,346	355	1,794
Machinery Manufacturing	681	10	1	692
Support Activities for Mining	1,189	119	3	1,311
Administrative & Support Services	0	700	380	1,080
Food Services & Drinking Places	0	230	867	1,097
Wholesalers	0	371	243	614
Real Estate	0	275	416	691
Ambulatory Health Care Services	0	0	684	684
Management of Companies & Enterprises	0	377	67	445
Social Assistance	0	0	444	444
Repair & Maintenance	0	142	195	337
Hospitals	0	0	350	350
Utilities	198	99	39	337
<i>All Other Industries</i>	242	1,877	4,308	6,427
<b>State Total</b>	<b>6,324</b>	<b>6,698</b>	<b>8,490</b>	<b>21,513</b>
2035	Direct	Indirect	Induced	Total
Oil and Gas Extraction	4,564	180	49	4,792
Construction	1,501	1,467	143	3,110
Professional, Scientific, & Technical Services	213	2,373	511	3,097
Machinery Manufacturing	2,027	12	1	2,040
Support Activities for Mining	3,000	152	3	3,155
Administrative & Support Services	0	1,308	552	1,860
Food Services & Drinking Places	0	486	1,391	1,877
Wholesalers	0	794	393	1,186
Real Estate	0	473	648	1,121
Ambulatory Health Care Services	0	0	1,073	1,073
Management of Companies & Enterprises	0	574	70	644
Social Assistance	0	0	656	656
Repair & Maintenance	0	262	299	561
Hospitals	0	0	558	558
Utilities	502	143	58	703
<i>All Other Industries</i>	415	3,295	6,681	10,391
<b>State Total</b>	<b>12,222</b>	<b>11,518</b>	<b>13,086</b>	<b>36,826</b>

Source: IHS Global Insight

America's New Energy Future: The Unconventional Oil and Gas Revolution and the US Economy  
Appendix B – Employment Contributions by State, Industry, and Year

**New York Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,317	1,174	2,491
Real Estate	0	520	1,363	1,884
Administrative & Support Services	0	628	763	1,391
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	353	831	1,184
Food Services & Drinking Places	0	144	871	1,015
Educational Services	0	9	924	932
Social Assistance	0	0	846	846
Wholesalers	0	274	435	708
Ambulatory Health Care Services	0	0	736	736
Hospitals	0	0	593	593
Management of Companies & Enterprises	0	373	201	574
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	57	431	488
Construction	0	337	158	495
Performing Arts, Spectator Sports, & Related Industries	0	120	334	453
Nursing & Residential Care Facilities	0	0	414	414
<i>All Other Industries</i>	12	2,354	5,620	7,986
<b>State Total</b>	<b>12</b>	<b>6,486</b>	<b>15,694</b>	<b>22,191</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,999	1,790	3,789
Real Estate	0	834	2,115	2,949
Administrative & Support Services	0	912	1,104	2,015
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	557	1,311	1,867
Food Services & Drinking Places	0	240	1,454	1,694
Educational Services	0	15	1,524	1,538
Social Assistance	0	0	1,296	1,296
Wholesalers	0	423	696	1,119
Ambulatory Health Care Services	0	0	1,170	1,170
Hospitals	0	0	867	867
Management of Companies & Enterprises	0	614	334	948
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	88	663	751
Construction	0	477	200	677
Performing Arts, Spectator Sports, & Related Industries	0	196	536	732
Nursing & Residential Care Facilities	0	0	608	608
<i>All Other Industries</i>	100	3,629	8,976	12,704
<b>State Total</b>	<b>100</b>	<b>9,982</b>	<b>24,643</b>	<b>34,725</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,758	1,591	3,348
Real Estate	0	739	1,922	2,661
Administrative & Support Services	0	718	847	1,565
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	486	1,105	1,591
Food Services & Drinking Places	0	246	1,490	1,737
Educational Services	0	13	1,300	1,313
Social Assistance	0	0	1,181	1,181
Wholesalers	0	469	709	1,179
Ambulatory Health Care Services	0	0	1,172	1,172
Hospitals	0	0	804	804
Management of Companies & Enterprises	0	599	334	933
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	89	579	668
Construction	0	312	159	471
Performing Arts, Spectator Sports, & Related Industries	0	183	495	678
Nursing & Residential Care Facilities	0	0	552	552
<i>All Other Industries</i>	181	3,377	8,509	12,067
<b>State Total</b>	<b>181</b>	<b>8,992</b>	<b>22,748</b>	<b>31,921</b>

Source: IHS Global Insight

**North Carolina Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	747	924	1,670
Professional, Scientific, & Technical Services	0	749	615	1,364
Food Services & Drinking Places	0	163	972	1,135
Real Estate	0	201	539	740
Wholesalers	0	295	445	739
Management of Companies & Enterprises	0	438	233	671
Ambulatory Health Care Services	0	0	598	598
Construction	0	386	142	528
Fabricated Metal Product Manufacturing	0	451	69	520
Educational Services	0	4	397	401
Hospitals	0	0	388	388
Social Assistance	0	0	363	363
Nursing & Residential Care Facilities	0	0	343	343
General Merchandise Stores	0	11	315	326
Repair & Maintenance	0	90	213	304
<i>All Other Industries</i>	0	2,412	6,163	8,575
<b>State Total</b>	<b>0</b>	<b>5,949</b>	<b>12,716</b>	<b>18,665</b>

2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	1,396	1,735	3,131
Professional, Scientific, & Technical Services	0	1,316	1,074	2,390
Food Services & Drinking Places	0	281	1,669	1,950
Real Estate	0	358	925	1,282
Wholesalers	0	491	762	1,253
Management of Companies & Enterprises	0	729	381	1,110
Ambulatory Health Care Services	0	0	1,058	1,058
Construction	0	812	267	1,079
Fabricated Metal Product Manufacturing	0	726	116	842
Educational Services	0	7	691	698
Hospitals	0	0	727	727
Social Assistance	0	0	637	637
Nursing & Residential Care Facilities	0	0	602	602
General Merchandise Stores	0	19	525	544
Repair & Maintenance	0	147	355	503
<i>All Other Industries</i>	0	4,077	10,595	14,671
<b>State Total</b>	<b>0</b>	<b>10,359</b>	<b>22,118</b>	<b>32,477</b>

2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	1,731	2,131	3,862
Professional, Scientific, & Technical Services	0	1,569	1,306	2,876
Food Services & Drinking Places	0	337	2,010	2,346
Real Estate	0	391	1,012	1,402
Wholesalers	0	591	883	1,474
Management of Companies & Enterprises	0	697	383	1,080
Ambulatory Health Care Services	0	0	1,272	1,272
Construction	0	898	339	1,237
Fabricated Metal Product Manufacturing	0	617	98	714
Educational Services	0	8	792	799
Hospitals	0	0	941	941
Social Assistance	0	0	752	752
Nursing & Residential Care Facilities	0	0	729	729
General Merchandise Stores	0	20	553	573
Repair & Maintenance	0	179	434	614
<i>All Other Industries</i>	0	4,560	12,206	16,766
<b>State Total</b>	<b>0</b>	<b>11,598</b>	<b>25,841</b>	<b>37,439</b>

Source: IHS Global Insight

**North Dakota Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Construction	5,127	5,561	253	10,941
Oil and Gas Extraction	7,516	11	3	7,530
Professional, Scientific, & Technical Services	600	4,581	736	5,917
Support Activities for Mining	3,758	473	1	4,231
Food Services & Drinking Places	0	582	3,172	3,755
Administrative & Support Services	0	1,629	763	2,391
Wholesalers	0	1,240	1,059	2,299
Utilities	1,537	412	136	2,086
Management of Companies & Enterprises	0	1,897	111	2,008
Hospitals	0	0	1,908	1,908
Insurance Carriers & Related Activities	443	486	960	1,889
Ambulatory Health Care Services	0	0	1,852	1,852
Truck Transportation	766	415	253	1,434
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	558	823	1,381
Social Assistance	0	0	1,260	1,260
<i>All Other Industries</i>	<i>0</i>	<i>6,001</i>	<i>14,209</i>	<i>20,210</i>
<b>State Total</b>	<b>19,746</b>	<b>23,847</b>	<b>27,499</b>	<b>71,092</b>

  

2020	Direct	Indirect	Induced	Total
Construction	7,978	8,826	404	17,208
Oil and Gas Extraction	11,226	23	7	11,256
Professional, Scientific, & Technical Services	1,299	7,250	1,170	9,718
Support Activities for Mining	6,268	709	1	6,979
Food Services & Drinking Places	0	980	5,061	6,041
Administrative & Support Services	0	2,675	1,220	3,895
Wholesalers	0	2,020	1,690	3,711
Utilities	2,146	659	216	3,022
Management of Companies & Enterprises	0	3,055	179	3,234
Hospitals	0	0	3,044	3,044
Insurance Carriers & Related Activities	638	749	1,453	2,839
Ambulatory Health Care Services	0	0	2,954	2,954
Truck Transportation	1,257	636	375	2,268
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	907	1,312	2,219
Social Assistance	0	0	2,011	2,011
<i>All Other Industries</i>	<i>0</i>	<i>9,762</i>	<i>22,688</i>	<i>32,450</i>
<b>State Total</b>	<b>30,813</b>	<b>38,251</b>	<b>43,785</b>	<b>112,849</b>

  

2035	Direct	Indirect	Induced	Total
Construction	3,991	4,164	205	8,360
Oil and Gas Extraction	4,734	27	8	4,769
Professional, Scientific, & Technical Services	661	3,575	585	4,821
Support Activities for Mining	3,118	363	2	3,483
Food Services & Drinking Places	0	502	2,507	3,009
Administrative & Support Services	0	1,346	617	1,963
Wholesalers	0	1,017	847	1,864
Utilities	1,069	319	110	1,498
Management of Companies & Enterprises	0	1,475	94	1,569
Hospitals	0	0	1,510	1,510
Insurance Carriers & Related Activities	317	391	726	1,435
Ambulatory Health Care Services	0	0	1,458	1,458
Truck Transportation	626	337	194	1,158
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	445	654	1,099
Social Assistance	0	0	999	999
<i>All Other Industries</i>	<i>0</i>	<i>4,955</i>	<i>11,394</i>	<i>16,349</i>
<b>State Total</b>	<b>14,516</b>	<b>18,916</b>	<b>21,911</b>	<b>55,344</b>

Source: IHS Global Insight

**Ohio Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	625	623	1,247
Professional, Scientific, & Technical Services	20	798	488	1,306
Food Services & Drinking Places	0	148	803	952
Fabricated Metal Product Manufacturing	26	750	112	888
Machinery Manufacturing	100	196	25	321
Primary Metal Manufacturing	222	463	38	723
Wholesalers	0	306	345	651
Ambulatory Health Care Services	0	0	594	594
Management of Companies & Enterprises	0	392	175	568
Real Estate	0	166	401	567
Oil and Gas Extraction	920	27	7	953
Hospitals	0	0	492	492
Construction	189	358	94	642
Nursing & Residential Care Facilities	0	0	358	358
Insurance Carriers & Related Activities	20	57	285	362
<i>All Other Industries</i>	421	2,091	5,415	7,927
<b>State Total</b>	<b>1,918</b>	<b>6,378</b>	<b>10,255</b>	<b>18,551</b>

2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	2,330	1,787	4,118
Professional, Scientific, & Technical Services	397	4,031	1,448	5,877
Food Services & Drinking Places	0	637	3,302	3,939
Fabricated Metal Product Manufacturing	211	1,373	195	1,779
Machinery Manufacturing	823	330	44	1,197
Primary Metal Manufacturing	443	731	60	1,234
Wholesalers	0	1,081	1,080	2,160
Ambulatory Health Care Services	0	0	2,361	2,361
Management of Companies & Enterprises	0	1,450	361	1,811
Real Estate	0	667	1,358	2,024
Oil and Gas Extraction	14,728	123	18	14,869
Hospitals	0	0	1,715	1,715
Construction	2,733	2,509	294	5,536
Nursing & Residential Care Facilities	0	0	1,174	1,174
Insurance Carriers & Related Activities	159	268	912	1,338
<i>All Other Industries</i>	6,253	6,923	18,184	31,360
<b>State Total</b>	<b>25,747</b>	<b>22,455</b>	<b>34,291</b>	<b>82,492</b>

2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	3,355	2,258	5,613
Professional, Scientific, & Technical Services	726	6,065	1,874	8,665
Food Services & Drinking Places	0	974	4,714	5,688
Fabricated Metal Product Manufacturing	378	1,814	234	2,425
Machinery Manufacturing	1,416	445	52	1,913
Primary Metal Manufacturing	568	963	67	1,598
Wholesalers	0	1,627	1,466	3,093
Ambulatory Health Care Services	0	0	3,355	3,356
Management of Companies & Enterprises	0	1,956	400	2,355
Real Estate	0	947	1,851	2,799
Oil and Gas Extraction	19,574	167	22	19,762
Hospitals	0	0	2,367	2,367
Construction	4,802	3,533	401	8,737
Nursing & Residential Care Facilities	0	0	1,599	1,599
Insurance Carriers & Related Activities	285	442	1,275	2,002
<i>All Other Industries</i>	10,526	9,999	24,926	45,450
<b>State Total</b>	<b>38,274</b>	<b>32,287</b>	<b>46,862</b>	<b>117,422</b>

Source: IHS Global Insight

**Oklahoma Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Construction	1,953	548	94	2,595
Oil and Gas Extraction	2,394	294	83	2,770
Professional, Scientific, & Technical Services	235	1,336	425	1,996
Support Activities for Mining	1,236	110	3	1,349
Administrative & Support Services	0	1,021	548	1,569
Food Services & Drinking Places	0	347	1,130	1,476
Machinery Manufacturing	1,232	125	11	1,367
Wholesalers	0	575	324	899
Ambulatory Health Care Services	0	0	735	735
Real Estate	0	244	448	691
Utilities	394	129	51	574
Truck Transportation	248	233	109	591
Insurance Carriers & Related Activities	106	147	276	529
Hospitals	0	0	504	504
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	112	314	426
<i>All Other Industries</i>	<i>564</i>	<i>2,566</i>	<i>5,470</i>	<i>8,600</i>
<b>State Total</b>	<b>8,361</b>	<b>7,787</b>	<b>10,524</b>	<b>26,673</b>

2020	Direct	Indirect	Induced	Total
Construction	3,978	1,474	194	5,645
Oil and Gas Extraction	6,847	556	143	7,545
Professional, Scientific, & Technical Services	615	2,897	884	4,396
Support Activities for Mining	3,080	235	4	3,319
Administrative & Support Services	0	2,052	1,110	3,162
Food Services & Drinking Places	0	642	2,408	3,050
Machinery Manufacturing	1,605	189	18	1,811
Wholesalers	0	1,039	674	1,713
Ambulatory Health Care Services	0	0	1,567	1,567
Real Estate	0	533	943	1,476
Utilities	815	245	102	1,162
Truck Transportation	603	404	206	1,213
Insurance Carriers & Related Activities	222	325	559	1,106
Hospitals	0	0	1,067	1,067
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	266	674	939
<i>All Other Industries</i>	<i>854</i>	<i>5,093</i>	<i>11,421</i>	<i>17,369</i>
<b>State Total</b>	<b>18,618</b>	<b>15,949</b>	<b>21,973</b>	<b>56,541</b>

2035	Direct	Indirect	Induced	Total
Construction	4,964	2,128	254	7,346
Oil and Gas Extraction	9,439	661	171	10,270
Professional, Scientific, & Technical Services	757	3,973	1,156	5,886
Support Activities for Mining	3,843	302	4	4,149
Administrative & Support Services	0	2,679	1,414	4,093
Food Services & Drinking Places	0	805	3,228	4,033
Machinery Manufacturing	1,453	216	19	1,688
Wholesalers	0	1,321	883	2,203
Ambulatory Health Care Services	0	0	2,092	2,092
Real Estate	0	717	1,242	1,959
Utilities	1,003	301	128	1,432
Truck Transportation	742	517	265	1,524
Insurance Carriers & Related Activities	282	451	749	1,483
Hospitals	0	0	1,430	1,430
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	380	908	1,288
<i>All Other Industries</i>	<i>1,001</i>	<i>6,665</i>	<i>15,034</i>	<i>22,700</i>
<b>State Total</b>	<b>23,483</b>	<b>21,115</b>	<b>28,977</b>	<b>73,576</b>

Source: IHS Global Insight

Oregon Employment Contribution by State and Industry: Unconventional Oil				
(Number of workers)				
2012	Direct	Indirect	Induced	Total
Real Estate	0	104	266	369
Professional, Scientific, & Technical Services	0	172	138	310
Administrative & Support Services	0	135	151	286
Food Services & Drinking Places	0	40	214	254
Fabricated Metal Product Manufacturing	162	109	17	287
Wholesalers	0	81	103	184
Management of Companies & Enterprises	0	89	46	134
Ambulatory Health Care Services	0	0	141	141
Computer & Electronic Product Manufacturing	0	76	34	109
Primary Metal Manufacturing	6	88	8	102
Crop Production	0	18	85	104
Construction	0	74	34	107
Hospitals	0	0	97	97
Animal Production	0	3	86	89
Social Assistance	0	0	88	88
<i>All Other Industries</i>	<i>0</i>	<i>491</i>	<i>1,436</i>	<i>1,927</i>
<b>State Total</b>	<b>169</b>	<b>1,479</b>	<b>2,941</b>	<b>4,589</b>
<hr/>				
2020	Direct	Indirect	Induced	Total
Real Estate	0	180	447	627
Professional, Scientific, & Technical Services	0	274	229	503
Administrative & Support Services	0	240	269	509
Food Services & Drinking Places	0	63	344	408
Fabricated Metal Product Manufacturing	244	183	30	458
Wholesalers	0	127	167	293
Management of Companies & Enterprises	0	153	80	233
Ambulatory Health Care Services	0	0	224	224
Computer & Electronic Product Manufacturing	0	123	59	182
Primary Metal Manufacturing	9	137	13	159
Crop Production	0	31	152	183
Construction	0	134	59	192
Hospitals	0	0	147	147
Animal Production	0	5	151	157
Social Assistance	0	0	139	139
<i>All Other Industries</i>	<i>1</i>	<i>796</i>	<i>2,363</i>	<i>3,161</i>
<b>State Total</b>	<b>254</b>	<b>2,446</b>	<b>4,873</b>	<b>7,574</b>
<hr/>				
2035	Direct	Indirect	Induced	Total
Real Estate	0	198	506	704
Professional, Scientific, & Technical Services	0	252	215	467
Administrative & Support Services	0	287	305	592
Food Services & Drinking Places	0	66	355	421
Fabricated Metal Product Manufacturing	144	190	30	363
Wholesalers	0	153	178	331
Management of Companies & Enterprises	0	147	78	224
Ambulatory Health Care Services	0	0	226	226
Computer & Electronic Product Manufacturing	0	137	61	198
Primary Metal Manufacturing	57	154	14	226
Crop Production	0	37	167	204
Construction	0	106	59	165
Hospitals	0	0	143	143
Animal Production	0	6	164	169
Social Assistance	0	0	141	141
<i>All Other Industries</i>	<i>3</i>	<i>854</i>	<i>2,445</i>	<i>3,302</i>
<b>State Total</b>	<b>204</b>	<b>2,586</b>	<b>5,085</b>	<b>7,875</b>

Source: IHS Global Insight

**Pennsylvania Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Support Activities for Mining	0	137	3	140
Construction	0	398	139	537
Professional, Scientific, & Technical Services	0	1,157	712	1,869
Oil and Gas Extraction	0	113	29	142
Administrative & Support Services	0	774	670	1,444
Food Services & Drinking Places	0	203	810	1,013
Fabricated Metal Product Manufacturing	57	1,123	124	1,303
Wholesalers	0	438	406	843
Ambulatory Health Care Services	0	0	714	714
Management of Companies & Enterprises	0	602	245	847
Real Estate	0	236	483	718
Primary Metal Manufacturing	215	910	54	1,179
Hospitals	0	0	621	621
Educational Services	0	8	731	739
Social Assistance	0	0	582	582
<i>All Other Industries</i>	225	3,318	7,137	10,681
<b>State Total</b>	<b>498</b>	<b>9,416</b>	<b>13,460</b>	<b>23,374</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Support Activities for Mining	0	255	6	261
Construction	0	635	204	839
Professional, Scientific, & Technical Services	0	1,787	1,095	2,882
Oil and Gas Extraction	0	267	67	334
Administrative & Support Services	0	1,253	1,049	2,302
Food Services & Drinking Places	0	340	1,332	1,672
Fabricated Metal Product Manufacturing	471	1,488	187	2,146
Wholesalers	0	725	642	1,367
Ambulatory Health Care Services	0	0	1,137	1,138
Management of Companies & Enterprises	0	989	402	1,391
Real Estate	0	399	787	1,186
Primary Metal Manufacturing	412	1,182	76	1,669
Hospitals	0	0	937	937
Educational Services	0	13	1,155	1,168
Social Assistance	0	0	955	955
<i>All Other Industries</i>	401	5,333	11,552	17,285
<b>State Total</b>	<b>1,283</b>	<b>14,667</b>	<b>21,582</b>	<b>37,532</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Support Activities for Mining	0	259	5	265
Construction	0	451	175	626
Professional, Scientific, & Technical Services	0	1,530	927	2,457
Oil and Gas Extraction	0	251	67	318
Administrative & Support Services	0	1,205	925	2,131
Food Services & Drinking Places	0	354	1,317	1,671
Fabricated Metal Product Manufacturing	808	1,504	174	2,486
Wholesalers	0	864	666	1,530
Ambulatory Health Care Services	0	0	1,061	1,061
Management of Companies & Enterprises	0	901	363	1,264
Real Estate	0	385	768	1,153
Primary Metal Manufacturing	515	1,280	67	1,863
Hospitals	0	0	878	878
Educational Services	0	13	1,026	1,038
Social Assistance	0	0	903	903
<i>All Other Industries</i>	453	5,472	11,292	17,217
<b>State Total</b>	<b>1,776</b>	<b>14,470</b>	<b>20,614</b>	<b>36,861</b>

Source: IHS Global Insight

**Rhode Island Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	68	85	154
Professional, Scientific, & Technical Services	0	77	66	143
Food Services & Drinking Places	0	20	117	136
Educational Services	0	1	107	108
Fabricated Metal Product Manufacturing	0	86	14	100
Real Estate	0	27	71	98
Management of Companies & Enterprises	0	56	30	85
Hospitals	0	0	83	83
Ambulatory Health Care Services	0	0	81	81
Wholesalers	0	29	44	73
Nursing & Residential Care Facilities	0	0	63	63
Social Assistance	0	0	58	58
Insurance Carriers & Related Activities	0	8	49	56
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	8	47	55
Construction	0	33	16	49
<i>All Other Industries</i>	<i>0</i>	<i>291</i>	<i>624</i>	<i>915</i>
<b>State Total</b>	<b>0</b>	<b>703</b>	<b>1,554</b>	<b>2,257</b>

2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	113	141	254
Professional, Scientific, & Technical Services	0	124	103	228
Food Services & Drinking Places	0	33	197	230
Educational Services	0	2	169	171
Fabricated Metal Product Manufacturing	0	133	22	155
Real Estate	0	49	128	177
Management of Companies & Enterprises	0	89	46	135
Hospitals	0	0	135	135
Ambulatory Health Care Services	0	0	128	128
Wholesalers	0	47	74	121
Nursing & Residential Care Facilities	0	0	98	98
Social Assistance	0	0	96	96
Insurance Carriers & Related Activities	0	14	84	98
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	12	79	92
Construction	0	58	26	84
<i>All Other Industries</i>	<i>0</i>	<i>487</i>	<i>1,019</i>	<i>1,506</i>
<b>State Total</b>	<b>0</b>	<b>1,161</b>	<b>2,547</b>	<b>3,708</b>

2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	116	144	260
Professional, Scientific, & Technical Services	0	118	95	213
Food Services & Drinking Places	0	37	219	256
Educational Services	0	2	173	174
Fabricated Metal Product Manufacturing	0	103	16	120
Real Estate	0	53	136	189
Management of Companies & Enterprises	0	80	44	124
Hospitals	0	0	143	143
Ambulatory Health Care Services	0	0	122	122
Wholesalers	0	53	78	131
Nursing & Residential Care Facilities	0	0	94	94
Social Assistance	0	0	98	98
Insurance Carriers & Related Activities	0	16	99	115
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	14	91	106
Construction	0	54	26	80
<i>All Other Industries</i>	<i>0</i>	<i>509</i>	<i>1,069</i>	<i>1,578</i>
<b>State Total</b>	<b>0</b>	<b>1,155</b>	<b>2,649</b>	<b>3,804</b>

Source: IHS Global Insight

**South Carolina Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	198	243	441
Professional, Scientific, & Technical Services	0	179	138	317
Fabricated Metal Product Manufacturing	0	253	29	282
Food Services & Drinking Places	0	41	247	288
Real Estate	0	59	154	213
Wholesalers	0	54	86	140
Ambulatory Health Care Services	0	0	126	126
Construction	0	78	28	106
Accommodation	0	31	63	94
Plastics & Rubber Products Manufacturing	0	51	34	85
Transportation Equipment Manufacturing	0	35	50	85
Chemical Manufacturing	0	37	44	81
General Merchandise Stores	0	3	80	82
Educational Services	0	1	82	82
Repair & Maintenance	0	25	52	77
<i>All Other Industries</i>	2	567	1,478	2,047
<b>State Total</b>	<b>2</b>	<b>1,611</b>	<b>2,935</b>	<b>4,549</b>

2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	334	408	742
Professional, Scientific, & Technical Services	0	299	227	526
Fabricated Metal Product Manufacturing	0	411	47	458
Food Services & Drinking Places	0	67	411	478
Real Estate	0	95	241	336
Wholesalers	0	86	142	227
Ambulatory Health Care Services	0	0	210	210
Construction	0	162	49	212
Accommodation	0	47	103	150
Plastics & Rubber Products Manufacturing	0	79	53	132
Transportation Equipment Manufacturing	0	51	75	126
Chemical Manufacturing	0	60	76	136
General Merchandise Stores	0	4	129	133
Educational Services	0	1	135	136
Repair & Maintenance	0	41	89	130
<i>All Other Industries</i>	3	901	2,418	3,321
<b>State Total</b>	<b>3</b>	<b>2,639</b>	<b>4,812</b>	<b>7,454</b>

2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	345	414	759
Professional, Scientific, & Technical Services	0	312	237	549
Fabricated Metal Product Manufacturing	0	489	56	544
Food Services & Drinking Places	0	70	426	496
Real Estate	0	83	216	298
Wholesalers	0	94	143	236
Ambulatory Health Care Services	0	0	213	213
Construction	0	133	48	181
Accommodation	0	48	100	148
Plastics & Rubber Products Manufacturing	0	84	53	137
Transportation Equipment Manufacturing	0	47	72	118
Chemical Manufacturing	0	69	85	153
General Merchandise Stores	0	4	129	133
Educational Services	0	1	127	128
Repair & Maintenance	0	47	97	144
<i>All Other Industries</i>	2	1,032	2,545	3,579
<b>State Total</b>	<b>2</b>	<b>2,856</b>	<b>4,959</b>	<b>7,817</b>

Source: IHS Global Insight

**South Dakota Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Crop Production	0	10	46	56
Food Services & Drinking Places	0	8	44	52
Administrative & Support Services	0	24	25	48
Professional, Scientific, & Technical Services	0	26	21	47
Wholesalers	0	18	26	44
Hospitals	0	0	37	37
Animal Production	0	1	31	32
Real Estate	0	9	23	32
Construction	0	22	8	30
Ambulatory Health Care Services	0	0	30	30
Accommodation	0	8	18	26
Nursing & Residential Care Facilities	0	0	25	25
Fabricated Metal Product Manufacturing	0	20	4	24
Credit Intermediation & Related Activities	0	6	17	23
Food Manufacturing	0	1	21	21
<i>All Other Industries</i>	16	136	339	490
<b>State Total</b>	<b>16</b>	<b>288</b>	<b>713</b>	<b>1,017</b>

2020	Direct	Indirect	Induced	Total
Crop Production	0	16	78	94
Food Services & Drinking Places	0	12	69	81
Administrative & Support Services	0	39	41	80
Professional, Scientific, & Technical Services	0	44	34	78
Wholesalers	0	28	42	69
Hospitals	0	0	59	59
Animal Production	0	2	52	54
Real Estate	0	14	35	49
Construction	0	39	13	52
Ambulatory Health Care Services	0	0	48	48
Accommodation	0	13	31	43
Nursing & Residential Care Facilities	0	0	40	40
Fabricated Metal Product Manufacturing	0	32	6	38
Credit Intermediation & Related Activities	0	9	26	36
Food Manufacturing	0	1	35	36
<i>All Other Industries</i>	24	215	560	799
<b>State Total</b>	<b>24</b>	<b>464</b>	<b>1,168</b>	<b>1,656</b>

2035	Direct	Indirect	Induced	Total
Crop Production	0	18	79	97
Food Services & Drinking Places	0	12	67	78
Administrative & Support Services	0	44	46	90
Professional, Scientific, & Technical Services	0	45	34	80
Wholesalers	0	29	41	69
Hospitals	0	0	59	59
Animal Production	0	2	54	56
Real Estate	0	12	30	41
Construction	0	28	12	40
Ambulatory Health Care Services	0	0	47	47
Accommodation	0	13	33	46
Nursing & Residential Care Facilities	0	0	38	38
Fabricated Metal Product Manufacturing	0	32	5	37
Credit Intermediation & Related Activities	0	8	23	31
Food Manufacturing	0	1	37	38
<i>All Other Industries</i>	19	213	562	793
<b>State Total</b>	<b>19</b>	<b>456</b>	<b>1,166</b>	<b>1,641</b>

Source: IHS Global Insight

**Tennessee Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	280	341	621
Professional, Scientific, & Technical Services	0	229	188	417
Food Services & Drinking Places	0	54	323	376
Wholesalers	0	93	147	241
Fabricated Metal Product Manufacturing	0	191	37	227
Ambulatory Health Care Services	0	0	233	233
Real Estate	0	64	168	232
Truck Transportation	0	81	105	186
Hospitals	0	0	181	181
Transportation Equipment Manufacturing	0	72	100	172
Construction	0	121	44	165
Management of Companies & Enterprises	0	87	47	134
Postal Service	0	47	85	133
Animal Production	0	4	126	131
General Merchandise Stores	0	4	115	119
<i>All Other Industries</i>	3	863	2,250	3,116
<b>State Total</b>	<b>3</b>	<b>2,190</b>	<b>4,490</b>	<b>6,683</b>
<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	459	557	1,016
Professional, Scientific, & Technical Services	0	373	296	669
Food Services & Drinking Places	0	86	525	612
Wholesalers	0	147	241	388
Fabricated Metal Product Manufacturing	0	277	58	335
Ambulatory Health Care Services	0	0	370	370
Real Estate	0	106	269	374
Truck Transportation	0	129	170	299
Hospitals	0	0	286	286
Transportation Equipment Manufacturing	0	134	181	315
Construction	0	213	70	283
Management of Companies & Enterprises	0	138	75	213
Postal Service	0	61	113	174
Animal Production	0	7	215	223
General Merchandise Stores	0	6	183	189
<i>All Other Industries</i>	4	1,409	3,698	5,111
<b>State Total</b>	<b>4</b>	<b>3,545</b>	<b>7,308</b>	<b>10,857</b>
<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	474	556	1,030
Professional, Scientific, & Technical Services	0	368	283	651
Food Services & Drinking Places	0	89	533	623
Wholesalers	0	170	247	417
Fabricated Metal Product Manufacturing	34	313	61	408
Ambulatory Health Care Services	0	0	353	353
Real Estate	0	100	258	358
Truck Transportation	0	143	167	310
Hospitals	0	0	286	286
Transportation Equipment Manufacturing	0	155	211	366
Construction	0	175	71	247
Management of Companies & Enterprises	0	149	83	232
Postal Service	0	49	86	135
Animal Production	0	8	233	241
General Merchandise Stores	0	6	179	184
<i>All Other Industries</i>	20	1,631	3,896	5,548
<b>State Total</b>	<b>54</b>	<b>3,832</b>	<b>7,504</b>	<b>11,389</b>

Source: IHS Global Insight

**Texas Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Oil and Gas Extraction	40,310	4,039	1,001	45,349
Construction	18,778	8,555	1,331	28,664
Professional, Scientific, & Technical Services	2,027	18,865	5,711	26,603
Administrative & Support Services	0	11,790	6,925	18,716
Food Services & Drinking Places	0	3,470	14,842	18,313
Support Activities for Mining	12,420	1,336	20	13,777
Wholesalers	0	6,550	4,570	11,120
Machinery Manufacturing	8,635	846	44	9,525
Real Estate	0	3,795	6,663	10,458
Ambulatory Health Care Services	0	1	10,140	10,141
Mining (except Oil & Gas)	6,404	333	30	6,767
Fabricated Metal Product Manufacturing	3,619	3,459	233	7,311
Truck Transportation	2,965	3,006	1,649	7,619
Insurance Carriers & Related Activities	911	1,586	4,038	6,534
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	1,574	3,665	5,239
<i>All Other Industries</i>	<i>6,812</i>	<i>29,181</i>	<i>77,532</i>	<i>113,525</i>
<b>State Total</b>	<b>102,880</b>	<b>98,385</b>	<b>138,393</b>	<b>339,658</b>
2020	Direct	Indirect	Induced	Total
Oil and Gas Extraction	63,699	5,603	1,296	70,599
Construction	17,313	14,280	1,929	33,522
Professional, Scientific, & Technical Services	2,540	26,052	8,453	37,046
Administrative & Support Services	0	16,578	10,291	26,869
Food Services & Drinking Places	0	4,684	21,688	26,371
Support Activities for Mining	12,655	2,256	31	14,941
Wholesalers	0	8,895	6,779	15,674
Machinery Manufacturing	10,617	1,175	69	11,861
Real Estate	0	5,636	9,784	15,420
Ambulatory Health Care Services	0	1	14,880	14,881
Mining (except Oil & Gas)	6,844	407	44	7,294
Fabricated Metal Product Manufacturing	4,217	4,761	355	9,334
Truck Transportation	3,428	3,640	2,314	9,382
Insurance Carriers & Related Activities	950	2,044	5,701	8,696
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	2,295	5,326	7,621
<i>All Other Industries</i>	<i>7,622</i>	<i>41,165</i>	<i>113,859</i>	<i>162,645</i>
<b>State Total</b>	<b>129,886</b>	<b>139,471</b>	<b>202,799</b>	<b>472,156</b>
2035	Direct	Indirect	Induced	Total
Oil and Gas Extraction	26,342	3,968	1,084	31,394
Construction	10,095	7,378	1,339	18,812
Professional, Scientific, & Technical Services	1,491	16,908	6,062	24,462
Administrative & Support Services	0	12,100	7,358	19,459
Food Services & Drinking Places	0	3,626	14,496	18,122
Support Activities for Mining	7,102	1,428	29	8,559
Wholesalers	0	7,333	4,728	12,061
Machinery Manufacturing	10,344	1,092	60	11,496
Real Estate	0	3,710	6,818	10,529
Ambulatory Health Care Services	0	1	10,070	10,071
Mining (except Oil & Gas)	6,845	410	43	7,299
Fabricated Metal Product Manufacturing	3,782	4,255	290	8,328
Truck Transportation	1,754	3,012	1,656	6,422
Insurance Carriers & Related Activities	590	1,353	3,838	5,781
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	1,377	3,450	4,827
<i>All Other Industries</i>	<i>5,789</i>	<i>29,756</i>	<i>76,693</i>	<i>112,238</i>
<b>State Total</b>	<b>74,136</b>	<b>97,709</b>	<b>138,015</b>	<b>309,859</b>

Source: IHS Global Insight

**Utah Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	0	297	148	445
Construction	0	97	33	131
Administrative & Support Services	0	233	164	397
Food Services & Drinking Places	0	64	203	267
Oil and Gas Extraction	0	14	5	19
Real Estate	0	83	160	243
Ambulatory Health Care Services	0	0	157	157
Support Activities for Mining	0	52	1	53
Wholesalers	0	134	89	223
Fabricated Metal Product Manufacturing	485	102	13	599
Management of Companies & Enterprises	0	117	33	150
Utilities	0	31	10	40
Educational Services	0	1	118	119
Hospitals	0	0	91	91
Insurance Carriers & Related Activities	0	10	50	61
<i>All Other Industries</i>	290	688	1,522	2,500
<b>State Total</b>	<b>775</b>	<b>1,924</b>	<b>2,796</b>	<b>5,495</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	0	495	264	759
Construction	0	174	55	229
Administrative & Support Services	0	380	277	656
Food Services & Drinking Places	0	102	326	427
Oil and Gas Extraction	0	21	6	27
Real Estate	0	143	277	420
Ambulatory Health Care Services	0	0	268	268
Support Activities for Mining	0	68	2	70
Wholesalers	0	213	146	359
Fabricated Metal Product Manufacturing	703	162	21	886
Management of Companies & Enterprises	0	187	54	240
Utilities	0	48	15	64
Educational Services	0	2	185	187
Hospitals	0	0	148	148
Insurance Carriers & Related Activities	0	17	80	97
<i>All Other Industries</i>	436	1,115	2,548	4,100
<b>State Total</b>	<b>1,139</b>	<b>3,127</b>	<b>4,671</b>	<b>8,936</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	364	2,798	837	3,999
Construction	2,154	1,426	180	3,761
Administrative & Support Services	0	1,478	928	2,407
Food Services & Drinking Places	0	426	1,668	2,094
Oil and Gas Extraction	4,131	21	6	4,158
Real Estate	0	722	1,202	1,925
Ambulatory Health Care Services	0	0	1,320	1,320
Support Activities for Mining	1,728	96	2	1,825
Wholesalers	0	663	573	1,236
Fabricated Metal Product Manufacturing	868	253	21	1,142
Management of Companies & Enterprises	0	832	136	967
Utilities	808	133	57	998
Educational Services	0	7	764	771
Hospitals	0	0	724	724
Insurance Carriers & Related Activities	152	247	402	800
<i>All Other Industries</i>	940	3,898	9,554	14,392
<b>State Total</b>	<b>11,145</b>	<b>13,001</b>	<b>18,373</b>	<b>42,519</b>

Source: IHS Global Insight

**Vermont Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	0	55	49	104
Accommodation	0	27	60	87
Administrative & Support Services	0	28	35	63
Food Services & Drinking Places	0	9	51	60
Ambulatory Health Care Services	0	0	58	58
Educational Services	0	1	55	56
Social Assistance	0	0	51	51
Real Estate	0	13	34	46
Hospitals	0	0	46	46
Wholesalers	0	17	26	43
Construction	0	29	14	42
Computer & Electronic Product Manufacturing	0	27	12	39
Securities, Commodity Contracts, & Other Fina	0	12	27	39
Food & Beverage Stores	0	1	34	35
Religious, Grantmaking, Civic, Professional, & s	0	5	29	34
<i>All Other Industries</i>	<i>0</i>	<i>184</i>	<i>471</i>	<i>655</i>
<b>State Total</b>	<b>0</b>	<b>407</b>	<b>1,050</b>	<b>1,458</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	0	91	79	170
Accommodation	0	54	116	170
Administrative & Support Services	0	48	60	108
Food Services & Drinking Places	0	12	69	80
Ambulatory Health Care Services	0	0	89	89
Educational Services	0	1	84	85
Social Assistance	0	0	90	90
Real Estate	0	22	57	79
Hospitals	0	0	81	81
Wholesalers	0	27	42	70
Construction	0	49	19	68
Computer & Electronic Product Manufacturing	0	41	20	61
Securities, Commodity Contracts, & Other Fina	0	29	65	93
Food & Beverage Stores	0	2	54	56
Religious, Grantmaking, Civic, Professional, & s	0	7	47	54
<i>All Other Industries</i>	<i>0</i>	<i>307</i>	<i>794</i>	<i>1,101</i>
<b>State Total</b>	<b>0</b>	<b>690</b>	<b>1,766</b>	<b>2,456</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	0	96	81	177
Accommodation	0	75	144	219
Administrative & Support Services	0	53	65	118
Food Services & Drinking Places	0	9	54	64
Ambulatory Health Care Services	0	0	87	87
Educational Services	0	1	76	77
Social Assistance	0	0	102	102
Real Estate	0	23	59	82
Hospitals	0	0	92	92
Wholesalers	0	30	45	75
Construction	0	47	19	66
Computer & Electronic Product Manufacturing	0	33	16	49
Securities, Commodity Contracts, & Other Fina	0	37	80	117
Food & Beverage Stores	0	2	53	55
Religious, Grantmaking, Civic, Professional, & s	0	7	45	52
<i>All Other Industries</i>	<i>0</i>	<i>313</i>	<i>838</i>	<i>1,150</i>
<b>State Total</b>	<b>0</b>	<b>725</b>	<b>1,858</b>	<b>2,583</b>

Source: IHS Global Insight

**Virginia Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	765	565	1,330
Administrative & Support Services	0	287	349	636
Food Services & Drinking Places	0	68	403	470
Real Estate	0	131	342	472
Management of Companies & Enterprises	0	204	109	314
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	36	236	272
Construction	0	188	80	269
Ambulatory Health Care Services	0	0	271	271
Wholesalers	0	93	144	237
Educational Services	0	2	207	209
Hospitals	0	0	173	173
Social Assistance	0	0	160	160
Repair & Maintenance	0	44	104	148
Accommodation	0	50	100	149
General Merchandise Stores	0	4	128	132
<i>All Other Industries</i>	14	1,075	2,424	3,514
<b>State Total</b>	<b>14</b>	<b>2,946</b>	<b>5,795</b>	<b>8,756</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,302	932	2,234
Administrative & Support Services	0	492	581	1,072
Food Services & Drinking Places	0	119	676	795
Real Estate	0	223	560	783
Management of Companies & Enterprises	0	375	199	574
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	60	369	429
Construction	0	329	126	455
Ambulatory Health Care Services	0	0	458	458
Wholesalers	0	154	227	380
Educational Services	0	3	330	333
Hospitals	0	0	267	267
Social Assistance	0	0	293	293
Repair & Maintenance	0	73	171	244
Accommodation	0	76	162	237
General Merchandise Stores	0	7	209	215
<i>All Other Industries</i>	114	1,711	4,017	5,843
<b>State Total</b>	<b>114</b>	<b>4,924</b>	<b>9,575</b>	<b>14,613</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,362	948	2,310
Administrative & Support Services	0	525	596	1,121
Food Services & Drinking Places	0	133	719	852
Real Estate	0	214	544	758
Management of Companies & Enterprises	0	489	263	753
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	75	371	446
Construction	0	266	122	389
Ambulatory Health Care Services	0	0	468	468
Wholesalers	0	188	241	429
Educational Services	0	4	345	348
Hospitals	0	0	275	275
Social Assistance	0	0	329	329
Repair & Maintenance	0	84	184	268
Accommodation	0	82	165	247
General Merchandise Stores	0	7	215	222
<i>All Other Industries</i>	187	1,718	4,110	6,015
<b>State Total</b>	<b>187</b>	<b>5,146</b>	<b>9,895</b>	<b>15,228</b>

Source: IHS Global Insight

**Washington Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	372	276	648
Administrative & Support Services	0	183	227	410
Real Estate	0	111	290	401
Food Services & Drinking Places	0	53	316	368
Wholesalers	0	107	166	273
Ambulatory Health Care Services	0	0	247	247
Construction	0	150	66	216
Social Assistance	0	0	163	163
Crop Production	0	25	114	139
Management of Companies & Enterprises	0	92	49	141
Fabricated Metal Product Manufacturing	0	117	19	137
Hospitals	0	0	132	132
Amusement, Gambling, & Recreation Industries	0	5	124	130
Educational Services	0	1	124	125
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	14	101	115
<i>All Other Industries</i>	20	790	2,157	2,967
<b>State Total</b>	<b>20</b>	<b>2,020</b>	<b>4,572</b>	<b>6,611</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	651	479	1,130
Administrative & Support Services	0	294	365	658
Real Estate	0	180	455	636
Food Services & Drinking Places	0	84	506	590
Wholesalers	0	165	267	432
Ambulatory Health Care Services	0	0	386	386
Construction	0	265	104	369
Social Assistance	0	0	239	239
Crop Production	0	43	209	252
Management of Companies & Enterprises	0	159	86	244
Fabricated Metal Product Manufacturing	0	176	30	206
Hospitals	0	0	230	230
Amusement, Gambling, & Recreation Industries	0	9	230	240
Educational Services	0	2	208	210
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	22	168	190
<i>All Other Industries</i>	29	1,240	3,518	4,788
<b>State Total</b>	<b>29</b>	<b>3,289</b>	<b>7,482</b>	<b>10,801</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	588	425	1,013
Administrative & Support Services	0	296	354	650
Real Estate	0	163	417	581
Food Services & Drinking Places	0	84	505	589
Wholesalers	0	192	270	461
Ambulatory Health Care Services	0	0	367	367
Construction	0	198	94	292
Social Assistance	0	0	207	207
Crop Production	0	51	229	280
Management of Companies & Enterprises	0	174	94	268
Fabricated Metal Product Manufacturing	0	273	45	318
Hospitals	0	0	265	265
Amusement, Gambling, & Recreation Industries	0	9	231	240
Educational Services	0	2	193	196
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	25	171	196
<i>All Other Industries</i>	108	1,454	3,624	5,187
<b>State Total</b>	<b>108</b>	<b>3,510</b>	<b>7,490</b>	<b>11,109</b>

Source: IHS Global Insight

**West Virginia Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Oil and Gas Extraction	0	36	12	48
Construction	0	29	15	44
Support Activities for Mining	0	118	3	120
Professional, Scientific, & Technical Services	0	57	46	103
Food Services & Drinking Places	0	16	93	109
Administrative & Support Services	0	47	55	102
Mining (except Oil & Gas)	0	154	38	192
Ambulatory Health Care Services	0	0	68	68
Utilities	0	11	8	19
Hospitals	0	0	72	72
Wholesalers	0	22	31	53
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	9	56	66
Truck Transportation	0	14	18	32
Real Estate	0	13	33	46
Chemical Manufacturing	16	16	16	48
<i>All Other Industries</i>	<i>0</i>	<i>290</i>	<i>653</i>	<i>944</i>
<b>State Total</b>	<b>16</b>	<b>832</b>	<b>1,218</b>	<b>2,066</b>

2020	Direct	Indirect	Induced	Total
Oil and Gas Extraction	0	73	22	95
Construction	0	55	22	77
Support Activities for Mining	0	160	4	164
Professional, Scientific, & Technical Services	0	118	84	202
Food Services & Drinking Places	0	32	162	194
Administrative & Support Services	0	95	96	190
Mining (except Oil & Gas)	0	237	59	296
Ambulatory Health Care Services	0	0	119	119
Utilities	0	36	14	51
Hospitals	0	0	124	124
Wholesalers	0	50	51	101
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	18	97	115
Truck Transportation	0	30	30	60
Real Estate	0	23	55	78
Chemical Manufacturing	134	25	28	187
<i>All Other Industries</i>	<i>0</i>	<i>474</i>	<i>1,113</i>	<i>1,587</i>
<b>State Total</b>	<b>134</b>	<b>1,423</b>	<b>2,081</b>	<b>3,638</b>

2035	Direct	Indirect	Induced	Total
Oil and Gas Extraction	0	77	24	101
Construction	0	50	22	72
Support Activities for Mining	0	155	4	159
Professional, Scientific, & Technical Services	0	122	77	199
Food Services & Drinking Places	0	39	173	212
Administrative & Support Services	0	116	102	217
Mining (except Oil & Gas)	0	243	59	302
Ambulatory Health Care Services	0	0	124	124
Utilities	0	54	14	68
Hospitals	0	0	136	136
Wholesalers	0	67	51	119
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	25	107	131
Truck Transportation	0	38	29	67
Real Estate	0	24	56	79
Chemical Manufacturing	218	26	29	273
<i>All Other Industries</i>	<i>0</i>	<i>576</i>	<i>1,190</i>	<i>1,766</i>
<b>State Total</b>	<b>218</b>	<b>1,612</b>	<b>2,195</b>	<b>4,025</b>

Source: IHS Global Insight

**Wisconsin Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Mining (except Oil & Gas)	1,914	41	2	1,957
Fabricated Metal Product Manufacturing	0	493	84	577
Administrative & Support Services	0	311	331	642
Food Services & Drinking Places	0	88	491	579
Professional, Scientific, & Technical Services	0	359	219	578
Wholesalers	0	152	203	355
Machinery Manufacturing	177	163	23	363
Ambulatory Health Care Services	0	0	314	314
Management of Companies & Enterprises	0	198	85	283
Hospitals	0	0	283	283
Real Estate	0	71	209	280
Primary Metal Manufacturing	0	207	17	224
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	40	213	253
Insurance Carriers & Related Activities	0	28	181	209
Social Assistance	0	0	235	235
<i>All Other Industries</i>	<i>0</i>	<i>1,309</i>	<i>3,417</i>	<i>4,726</i>
<b>State Total</b>	<b>2,091</b>	<b>3,460</b>	<b>6,308</b>	<b>11,859</b>

2020	Direct	Indirect	Induced	Total
Mining (except Oil & Gas)	2,877	59	3	2,939
Fabricated Metal Product Manufacturing	0	775	136	912
Administrative & Support Services	0	497	529	1,026
Food Services & Drinking Places	0	140	788	928
Professional, Scientific, & Technical Services	0	590	365	955
Wholesalers	0	238	329	567
Machinery Manufacturing	258	243	37	537
Ambulatory Health Care Services	0	0	512	512
Management of Companies & Enterprises	0	348	155	503
Hospitals	0	0	439	439
Real Estate	0	114	327	441
Primary Metal Manufacturing	0	291	26	317
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	66	347	413
Insurance Carriers & Related Activities	0	46	290	336
Social Assistance	0	0	357	357
<i>All Other Industries</i>	<i>0</i>	<i>2,115</i>	<i>5,488</i>	<i>7,603</i>
<b>State Total</b>	<b>3,135</b>	<b>5,521</b>	<b>10,128</b>	<b>18,784</b>

2035	Direct	Indirect	Induced	Total
Mining (except Oil & Gas)	1,886	46	2	1,934
Fabricated Metal Product Manufacturing	0	848	140	987
Administrative & Support Services	0	431	474	905
Food Services & Drinking Places	0	122	725	847
Professional, Scientific, & Technical Services	0	504	337	841
Wholesalers	0	226	318	544
Machinery Manufacturing	130	269	37	436
Ambulatory Health Care Services	0	0	477	477
Management of Companies & Enterprises	0	376	187	563
Hospitals	0	0	393	393
Real Estate	0	95	275	370
Primary Metal Manufacturing	0	302	26	328
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	71	343	414
Insurance Carriers & Related Activities	0	48	297	345
Social Assistance	0	0	292	292
<i>All Other Industries</i>	<i>0</i>	<i>2,044</i>	<i>5,149</i>	<i>7,192</i>
<b>State Total</b>	<b>2,016</b>	<b>5,380</b>	<b>9,472</b>	<b>16,868</b>

Source: IHS Global Insight

**Wyoming Employment Contribution by State and Industry: Unconventional Oil  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Oil and Gas Extraction	0	46	15	61
Construction	0	32	10	42
Professional, Scientific, & Technical Services	0	63	24	87
Fabricated Metal Product Manufacturing	505	10	1	517
Support Activities for Mining	0	29	1	31
Food Services & Drinking Places	0	26	64	89
Utilities	0	34	6	40
Administrative & Support Services	0	55	22	77
Real Estate	0	21	34	54
Wholesalers	0	59	21	80
Ambulatory Health Care Services	0	0	37	37
Truck Transportation	0	23	10	34
Chemical Manufacturing	169	11	4	184
Social Assistance	0	0	34	34
General Merchandise Stores	0	1	21	22
<i>All Other Industries</i>	<i>0</i>	<i>244</i>	<i>397</i>	<i>641</i>
<b>State Total</b>	<b>674</b>	<b>655</b>	<b>699</b>	<b>2,028</b>
2020	Direct	Indirect	Induced	Total
Oil and Gas Extraction	0	88	27	115
Construction	0	53	15	68
Professional, Scientific, & Technical Services	0	101	39	139
Fabricated Metal Product Manufacturing	759	15	2	776
Support Activities for Mining	0	53	2	55
Food Services & Drinking Places	0	41	104	145
Utilities	0	55	9	64
Administrative & Support Services	0	89	37	126
Real Estate	0	34	56	90
Wholesalers	0	96	35	131
Ambulatory Health Care Services	0	0	58	58
Truck Transportation	0	37	15	52
Chemical Manufacturing	255	15	5	275
Social Assistance	0	0	54	54
General Merchandise Stores	0	1	32	33
<i>All Other Industries</i>	<i>0</i>	<i>392</i>	<i>645</i>	<i>1,037</i>
<b>State Total</b>	<b>1,014</b>	<b>1,070</b>	<b>1,136</b>	<b>3,220</b>
2035	Direct	Indirect	Induced	Total
Oil and Gas Extraction	3,373	104	32	3,509
Construction	1,801	933	73	2,807
Professional, Scientific, & Technical Services	341	1,096	196	1,633
Fabricated Metal Product Manufacturing	711	23	2	736
Support Activities for Mining	1,475	135	2	1,612
Food Services & Drinking Places	0	182	767	949
Utilities	510	138	43	691
Administrative & Support Services	0	489	195	684
Real Estate	0	222	352	573
Wholesalers	0	317	210	527
Ambulatory Health Care Services	0	0	443	443
Truck Transportation	287	132	56	475
Chemical Manufacturing	275	13	4	293
Social Assistance	0	0	369	369
General Merchandise Stores	0	36	253	289
<i>All Other Industries</i>	<i>150</i>	<i>1,671</i>	<i>3,353</i>	<i>5,174</i>
<b>State Total</b>	<b>8,923</b>	<b>5,490</b>	<b>6,353</b>	<b>20,766</b>

Source: IHS Global Insight

## UNCONVENTIONAL GAS ACTIVITY

## Unconventional Gas – Employment Contribution by State and Industry

<b>Alabama Employment Contribution by State and Industry: Unconventional Gas</b>				
<b>(Number of workers)</b>				
<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	160	195	355
Professional, Scientific, & Technical Services	0	182	142	324
Food Services & Drinking Places	0	38	219	257
Primary Metal Manufacturing	0	195	16	211
Fabricated Metal Product Manufacturing	0	176	26	202
Real Estate	0	42	116	159
Wholesalers	0	69	98	167
Ambulatory Health Care Services	0	0	140	140
Transportation Equipment Manufacturing	0	40	68	108
Construction	0	75	24	99
General Merchandise Stores	0	4	91	94
Food Manufacturing	0	3	86	89
Truck Transportation	0	40	47	87
Repair & Maintenance	0	29	53	82
Hospitals	0	0	79	79
<i>All Other Industries</i>	7	638	1,481	2,126
<b>State Total</b>	<b>7</b>	<b>1,689</b>	<b>2,880</b>	<b>4,577</b>
<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	276	339	615
Professional, Scientific, & Technical Services	0	336	257	593
Food Services & Drinking Places	0	67	388	455
Primary Metal Manufacturing	0	322	28	350
Fabricated Metal Product Manufacturing	0	320	51	371
Real Estate	0	82	217	299
Wholesalers	0	127	186	313
Ambulatory Health Care Services	0	0	249	249
Transportation Equipment Manufacturing	0	80	134	214
Construction	0	145	41	186
General Merchandise Stores	0	7	158	165
Food Manufacturing	0	5	150	155
Truck Transportation	0	64	79	144
Repair & Maintenance	0	52	98	150
Hospitals	0	0	138	138
<i>All Other Industries</i>	10	1,184	2,688	3,883
<b>State Total</b>	<b>10</b>	<b>3,069</b>	<b>5,201</b>	<b>8,281</b>
<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	358	436	794
Professional, Scientific, & Technical Services	0	423	327	749
Food Services & Drinking Places	0	84	493	577
Primary Metal Manufacturing	0	453	41	494
Fabricated Metal Product Manufacturing	0	571	89	660
Real Estate	0	105	270	375
Wholesalers	0	172	252	425
Ambulatory Health Care Services	0	0	307	307
Transportation Equipment Manufacturing	0	124	196	320
Construction	0	153	49	202
General Merchandise Stores	0	8	189	197
Food Manufacturing	0	6	195	201
Truck Transportation	0	84	100	184
Repair & Maintenance	0	68	134	202
Hospitals	0	0	159	159
<i>All Other Industries</i>	10	1,645	3,474	5,129
<b>State Total</b>	<b>10</b>	<b>4,254</b>	<b>6,710</b>	<b>10,974</b>

Source: IHS Global Insight

Arizona Employment Contribution by State and Industry: Unconventional Gas (Number of workers)				
2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	305	377	682
Professional, Scientific, & Technical Services	0	254	211	465
Real Estate	0	97	265	362
Food Services & Drinking Places	0	50	292	342
Ambulatory Health Care Services	0	0	232	232
Wholesalers	0	91	131	222
Construction	0	133	46	180
Accommodation	0	53	104	157
Hospitals	0	0	149	149
Educational Services	0	1	118	119
Fabricated Metal Product Manufacturing	0	111	18	128
Mining (except Oil & Gas)	0	115	12	127
Management of Companies & Enterprises	0	72	37	109
Social Assistance	0	0	99	99
General Merchandise Stores	0	4	97	101
<i>All Other Industries</i>	0	629	1,760	2,389
<b>State Total</b>	<b>0</b>	<b>1,914</b>	<b>3,950</b>	<b>5,865</b>
2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	562	694	1,256
Professional, Scientific, & Technical Services	0	507	425	933
Real Estate	0	212	558	770
Food Services & Drinking Places	0	93	543	637
Ambulatory Health Care Services	0	0	458	458
Wholesalers	0	174	256	430
Construction	0	310	93	403
Accommodation	0	93	188	281
Hospitals	0	0	282	282
Educational Services	0	2	232	234
Fabricated Metal Product Manufacturing	0	203	34	237
Mining (except Oil & Gas)	0	190	20	210
Management of Companies & Enterprises	0	138	70	208
Social Assistance	0	0	189	189
General Merchandise Stores	0	7	177	184
<i>All Other Industries</i>	0	1,126	3,283	4,410
<b>State Total</b>	<b>0</b>	<b>3,618</b>	<b>7,503</b>	<b>11,122</b>
2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	830	1,009	1,839
Professional, Scientific, & Technical Services	0	784	684	1,468
Real Estate	0	323	833	1,156
Food Services & Drinking Places	0	133	784	917
Ambulatory Health Care Services	0	0	664	664
Wholesalers	0	250	368	618
Construction	0	379	122	501
Accommodation	0	118	236	354
Hospitals	0	0	365	365
Educational Services	0	3	273	276
Fabricated Metal Product Manufacturing	0	253	43	296
Mining (except Oil & Gas)	0	230	24	254
Management of Companies & Enterprises	0	169	91	260
Social Assistance	0	0	248	248
General Merchandise Stores	0	9	231	240
<i>All Other Industries</i>	1	1,532	4,590	6,122
<b>State Total</b>	<b>1</b>	<b>5,014</b>	<b>10,565</b>	<b>15,580</b>

Source: IHS Global Insight

**Arkansas Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Oil and Gas Extraction	4,442	40	5	4,487
Mining (except Oil & Gas)	2,617	52	2	2,672
Construction	599	1,089	99	1,786
Professional, Scientific, & Technical Services	60	1,033	292	1,385
Administrative & Support Services	0	761	438	1,200
Food Services & Drinking Places	0	178	993	1,171
Primary Metal Manufacturing	351	139	7	496
Utilities	831	134	46	1,011
Wholesalers	0	389	277	667
Truck Transportation	317	245	117	679
Ambulatory Health Care Services	0	0	635	635
Real Estate	0	200	421	621
Support Activities for Mining	717	47	0	764
Hospitals	0	0	525	525
Management of Companies & Enterprises	0	436	67	503
<i>All Other Industries</i>	341	1,921	5,563	7,825
<b>State Total</b>	<b>10,275</b>	<b>6,666</b>	<b>9,487</b>	<b>26,428</b>

2020	Direct	Indirect	Induced	Total
Oil and Gas Extraction	6,825	74	11	6,909
Mining (except Oil & Gas)	4,073	89	4	4,165
Construction	1,278	1,693	159	3,129
Professional, Scientific, & Technical Services	178	1,757	478	2,413
Administrative & Support Services	0	1,244	717	1,961
Food Services & Drinking Places	0	306	1,591	1,897
Primary Metal Manufacturing	512	230	12	754
Utilities	936	218	78	1,232
Wholesalers	0	627	455	1,082
Truck Transportation	420	456	235	1,111
Ambulatory Health Care Services	0	0	1,008	1,008
Real Estate	0	331	681	1,012
Support Activities for Mining	1,363	85	0	1,448
Hospitals	0	0	856	856
Management of Companies & Enterprises	0	729	119	848
<i>All Other Industries</i>	528	3,184	9,073	12,785
<b>State Total</b>	<b>16,112</b>	<b>11,023</b>	<b>15,477</b>	<b>42,611</b>

2035	Direct	Indirect	Induced	Total
Oil and Gas Extraction	3,391	62	13	3,466
Mining (except Oil & Gas)	4,312	99	4	4,415
Construction	918	1,033	137	2,088
Professional, Scientific, & Technical Services	130	1,367	428	1,925
Administrative & Support Services	0	1,119	651	1,770
Food Services & Drinking Places	0	278	1,332	1,611
Primary Metal Manufacturing	545	260	13	819
Utilities	439	228	75	741
Wholesalers	0	611	414	1,025
Truck Transportation	197	497	262	956
Ambulatory Health Care Services	0	0	827	827
Real Estate	0	274	598	871
Support Activities for Mining	822	58	1	881
Hospitals	0	0	733	733
Management of Companies & Enterprises	0	595	120	715
<i>All Other Industries</i>	662	2,951	8,051	11,664
<b>State Total</b>	<b>11,417</b>	<b>9,432</b>	<b>13,657</b>	<b>34,506</b>

Source: IHS Global Insight

**California Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	2,896	1,954	4,850
Administrative & Support Services	0	1,825	1,831	3,656
Food Services & Drinking Places	0	476	2,130	2,607
Real Estate	0	702	1,701	2,403
Wholesalers	0	1,264	1,061	2,325
Machinery Manufacturing	1,763	198	34	1,994
Fabricated Metal Product Manufacturing	511	1,318	145	1,973
Ambulatory Health Care Services	0	0	1,402	1,402
Management of Companies & Enterprises	0	789	320	1,109
Construction	0	692	316	1,008
Computer & Electronic Product Manufacturing	394	331	210	935
Educational Services	0	11	874	885
Hospitals	0	0	814	814
Food & Beverage Stores	0	37	716	754
Repair & Maintenance	0	253	498	751
<i>All Other Industries</i>	<i>569</i>	<i>5,784</i>	<i>14,236</i>	<i>20,589</i>
<b>State Total</b>	<b>3,237</b>	<b>16,577</b>	<b>28,244</b>	<b>48,057</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	4,843	3,387	8,230
Administrative & Support Services	0	2,995	3,201	6,196
Food Services & Drinking Places	0	741	3,494	4,235
Real Estate	0	1,276	3,103	4,379
Wholesalers	0	1,912	1,864	3,776
Machinery Manufacturing	2,148	342	63	2,552
Fabricated Metal Product Manufacturing	571	2,075	247	2,893
Ambulatory Health Care Services	0	0	2,361	2,362
Management of Companies & Enterprises	0	1,329	559	1,887
Construction	0	1,464	607	2,072
Computer & Electronic Product Manufacturing	564	559	401	1,525
Educational Services	0	20	1,460	1,480
Hospitals	0	0	1,302	1,302
Food & Beverage Stores	0	64	1,245	1,308
Repair & Maintenance	0	388	787	1,175
<i>All Other Industries</i>	<i>444</i>	<i>9,390</i>	<i>24,067</i>	<i>33,902</i>
<b>State Total</b>	<b>3,727</b>	<b>27,399</b>	<b>48,149</b>	<b>79,276</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	5,618	4,165	9,783
Administrative & Support Services	0	3,521	3,919	7,440
Food Services & Drinking Places	0	833	4,254	5,086
Real Estate	0	1,641	4,036	5,677
Wholesalers	0	2,089	2,322	4,411
Machinery Manufacturing	1,502	377	69	1,948
Fabricated Metal Product Manufacturing	466	2,010	244	2,720
Ambulatory Health Care Services	0	1	2,842	2,842
Management of Companies & Enterprises	0	1,406	660	2,066
Construction	0	1,674	791	2,465
Computer & Electronic Product Manufacturing	462	681	507	1,650
Educational Services	0	25	1,705	1,730
Hospitals	0	0	1,392	1,392
Food & Beverage Stores	0	69	1,521	1,590
Repair & Maintenance	0	411	860	1,271
<i>All Other Industries</i>	<i>429</i>	<i>10,919</i>	<i>29,406</i>	<i>40,753</i>
<b>State Total</b>	<b>2,859</b>	<b>31,274</b>	<b>58,692</b>	<b>92,824</b>

Source: IHS Global Insight

America's New Energy Future: The Unconventional Oil and Gas Revolution and the US Economy  
Appendix B – Employment Contributions by State, Industry, and Year

**Colorado Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Support Activities for Mining	6,933	766	6	7,705
Machinery Manufacturing	3,618	49	5	3,672
Professional, Scientific, & Technical Services	250	3,238	1,148	4,636
Oil and Gas Extraction	4,814	91	27	4,932
Construction	2,044	1,932	246	4,223
Food Services & Drinking Places	0	530	2,536	3,065
Administrative & Support Services	0	1,661	1,166	2,827
Real Estate	0	682	1,269	1,951
Wholesalers	0	1,041	779	1,820
Ambulatory Health Care Services	0	0	1,705	1,705
Management of Companies & Enterprises	0	1,001	145	1,146
Social Assistance	0	0	956	956
Insurance Carriers & Related Activities	106	211	641	957
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	219	688	907
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	394	493	887
<i>All Other Industries</i>	1,697	4,374	12,398	18,470
<b>State Total</b>	<b>19,462</b>	<b>16,189</b>	<b>24,208</b>	<b>59,859</b>

2020	Direct	Indirect	Induced	Total
Support Activities for Mining	9,761	503	6	10,270
Machinery Manufacturing	4,844	78	9	4,932
Professional, Scientific, & Technical Services	453	5,393	1,938	7,785
Oil and Gas Extraction	8,520	203	61	8,785
Construction	2,683	3,405	401	6,490
Food Services & Drinking Places	0	798	4,094	4,892
Administrative & Support Services	0	2,586	1,911	4,497
Real Estate	0	1,100	2,073	3,173
Wholesalers	0	1,471	1,274	2,745
Ambulatory Health Care Services	0	0	2,750	2,751
Management of Companies & Enterprises	0	1,609	239	1,848
Social Assistance	0	0	1,559	1,559
Insurance Carriers & Related Activities	151	345	1,123	1,619
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	352	1,127	1,479
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	591	802	1,393
<i>All Other Industries</i>	2,294	6,985	20,276	29,555
<b>State Total</b>	<b>28,708</b>	<b>25,419</b>	<b>39,644</b>	<b>93,771</b>

2035	Direct	Indirect	Induced	Total
Support Activities for Mining	11,759	679	9	12,448
Machinery Manufacturing	5,071	86	10	5,167
Professional, Scientific, & Technical Services	500	6,455	2,383	9,338
Oil and Gas Extraction	8,539	286	91	8,917
Construction	3,130	3,779	466	7,375
Food Services & Drinking Places	0	958	4,878	5,836
Administrative & Support Services	0	3,114	2,306	5,419
Real Estate	0	1,310	2,492	3,802
Wholesalers	0	1,769	1,536	3,306
Ambulatory Health Care Services	0	0	3,274	3,274
Management of Companies & Enterprises	0	1,851	286	2,136
Social Assistance	0	0	1,859	1,859
Insurance Carriers & Related Activities	178	425	1,349	1,951
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	410	1,342	1,752
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	724	965	1,690
<i>All Other Industries</i>	2,710	8,354	24,273	35,337
<b>State Total</b>	<b>31,887</b>	<b>30,202</b>	<b>47,519</b>	<b>109,608</b>

Source: IHS Global Insight

**Connecticut Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	172	146	318
Administrative & Support Services	0	113	140	253
Fabricated Metal Product Manufacturing	0	187	34	221
Food Services & Drinking Places	0	27	161	188
Insurance Carriers & Related Activities	0	22	143	165
Real Estate	0	37	102	139
Wholesalers	0	62	89	151
Ambulatory Health Care Services	0	0	137	137
Educational Services	0	1	129	131
Social Assistance	0	0	122	122
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	38	84	123
Management of Companies & Enterprises	0	76	40	115
Accommodation	0	40	73	113
Nursing & Residential Care Facilities	0	0	110	110
Hospitals	0	0	111	111
<i>All Other Industries</i>	0	582	1,169	1,752
<b>State Total</b>	<b>0</b>	<b>1,359</b>	<b>2,789</b>	<b>4,149</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	301	246	547
Administrative & Support Services	0	196	244	440
Fabricated Metal Product Manufacturing	0	276	55	331
Food Services & Drinking Places	0	47	276	324
Insurance Carriers & Related Activities	0	38	236	275
Real Estate	0	69	180	249
Wholesalers	0	108	159	267
Ambulatory Health Care Services	0	0	226	226
Educational Services	0	2	230	232
Social Assistance	0	0	223	223
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	72	158	229
Management of Companies & Enterprises	0	122	62	184
Accommodation	0	64	120	184
Nursing & Residential Care Facilities	0	0	184	184
Hospitals	0	0	190	190
<i>All Other Industries</i>	1	1,039	2,001	3,042
<b>State Total</b>	<b>1</b>	<b>2,335</b>	<b>4,791</b>	<b>7,127</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	326	262	588
Administrative & Support Services	0	222	273	495
Fabricated Metal Product Manufacturing	0	342	73	414
Food Services & Drinking Places	0	54	316	370
Insurance Carriers & Related Activities	0	44	264	308
Real Estate	0	80	207	287
Wholesalers	0	139	204	344
Ambulatory Health Care Services	0	0	241	241
Educational Services	0	3	276	279
Social Assistance	0	0	257	257
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	93	197	290
Management of Companies & Enterprises	0	104	56	160
Accommodation	0	95	174	269
Nursing & Residential Care Facilities	0	0	187	187
Hospitals	0	0	194	194
<i>All Other Industries</i>	3	1,287	2,368	3,657
<b>State Total</b>	<b>3</b>	<b>2,789</b>	<b>5,550</b>	<b>8,341</b>

Source: IHS Global Insight

**Delaware Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	60	47	107
Administrative & Support Services	0	43	40	83
Food Services & Drinking Places	0	11	54	65
Real Estate	0	16	40	55
Credit Intermediation & Related Activities	0	13	37	51
Hospitals	0	0	40	40
Management of Companies & Enterprises	0	26	12	39
Ambulatory Health Care Services	0	0	36	36
Wholesalers	0	24	18	42
Construction	0	25	9	34
Primary Metal Manufacturing	44	11	0	56
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	11	20	31
Social Assistance	0	0	29	29
Fabricated Metal Product Manufacturing	19	14	2	35
Food Manufacturing	0	1	23	24
<i>All Other Industries</i>	<i>0</i>	<i>109</i>	<i>360</i>	<i>468</i>
<b>State Total</b>	<b>63</b>	<b>364</b>	<b>768</b>	<b>1,195</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	105	83	188
Administrative & Support Services	0	71	64	135
Food Services & Drinking Places	0	20	98	118
Real Estate	0	30	73	103
Credit Intermediation & Related Activities	0	28	76	104
Hospitals	0	0	71	71
Management of Companies & Enterprises	0	57	26	84
Ambulatory Health Care Services	0	0	65	65
Wholesalers	0	41	32	73
Construction	0	52	16	68
Primary Metal Manufacturing	73	19	1	92
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	23	43	66
Social Assistance	0	0	54	54
Fabricated Metal Product Manufacturing	44	26	4	74
Food Manufacturing	0	1	42	43
<i>All Other Industries</i>	<i>0</i>	<i>186</i>	<i>647</i>	<i>833</i>
<b>State Total</b>	<b>117</b>	<b>660</b>	<b>1,396</b>	<b>2,172</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	136	104	240
Administrative & Support Services	0	116	86	201
Food Services & Drinking Places	0	32	147	179
Real Estate	0	41	95	136
Credit Intermediation & Related Activities	0	39	101	140
Hospitals	0	0	93	93
Management of Companies & Enterprises	0	83	38	122
Ambulatory Health Care Services	0	0	97	97
Wholesalers	0	80	49	128
Construction	0	69	23	92
Primary Metal Manufacturing	147	26	1	173
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	40	70	111
Social Assistance	0	0	79	79
Fabricated Metal Product Manufacturing	129	26	3	158
Food Manufacturing	0	2	55	56
<i>All Other Industries</i>	<i>0</i>	<i>262</i>	<i>920</i>	<i>1,182</i>
<b>State Total</b>	<b>276</b>	<b>952</b>	<b>1,959</b>	<b>3,188</b>

Source: IHS Global Insight

**Florida Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	905	811	1,717
Administrative & Support Services	0	769	930	1,700
Real Estate	0	344	935	1,279
Food Services & Drinking Places	0	168	967	1,135
Ambulatory Health Care Services	0	0	680	680
Wholesalers	0	302	425	726
Amusement, Gambling, & Recreation Industries	0	17	526	544
Accommodation	0	196	357	553
Construction	0	370	135	504
Hospitals	0	0	462	462
Management of Companies & Enterprises	0	244	124	367
Educational Services	0	4	341	345
Food & Beverage Stores	0	14	341	355
Insurance Carriers & Related Activities	0	49	319	368
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	60	286	347
<i>All Other Industries</i>	70	1,878	5,135	7,083
<b>State Total</b>	<b>70</b>	<b>5,320</b>	<b>12,775</b>	<b>18,165</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,715	1,556	3,271
Administrative & Support Services	0	1,515	1,850	3,365
Real Estate	0	716	1,871	2,587
Food Services & Drinking Places	0	308	1,752	2,059
Ambulatory Health Care Services	0	0	1,235	1,235
Wholesalers	0	571	822	1,394
Amusement, Gambling, & Recreation Industries	0	34	941	974
Accommodation	0	362	676	1,038
Construction	0	870	285	1,154
Hospitals	0	0	865	865
Management of Companies & Enterprises	0	507	248	755
Educational Services	0	6	620	626
Food & Beverage Stores	0	28	641	669
Insurance Carriers & Related Activities	0	97	602	699
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	94	492	587
<i>All Other Industries</i>	141	3,447	9,581	13,169
<b>State Total</b>	<b>141</b>	<b>10,271</b>	<b>24,036</b>	<b>34,448</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	2,297	2,183	4,479
Administrative & Support Services	0	2,569	3,137	5,706
Real Estate	0	1,120	2,871	3,991
Food Services & Drinking Places	0	379	2,190	2,569
Ambulatory Health Care Services	0	0	1,523	1,523
Wholesalers	0	751	1,088	1,839
Amusement, Gambling, & Recreation Industries	0	56	1,293	1,348
Accommodation	0	469	860	1,328
Construction	0	1,099	400	1,500
Hospitals	0	0	1,015	1,015
Management of Companies & Enterprises	0	643	339	982
Educational Services	0	8	803	811
Food & Beverage Stores	0	35	841	876
Insurance Carriers & Related Activities	0	142	854	997
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	103	607	709
<i>All Other Industries</i>	122	4,412	12,731	17,266
<b>State Total</b>	<b>122</b>	<b>14,083</b>	<b>32,735</b>	<b>46,940</b>

Source: IHS Global Insight

**Georgia Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	0	0	0
Professional, Scientific, & Technical Services	0	0	0	0
Food Services & Drinking Places	0	0	0	0
Wholesalers	0	0	0	0
Real Estate	0	0	0	0
Ambulatory Health Care Services	0	0	0	0
Management of Companies & Enterprises	0	0	0	0
Hospitals	0	0	0	0
Educational Services	0	0	0	0
Construction	0	0	0	0
Fabricated Metal Product Manufacturing	0	0	0	0
Food Manufacturing	0	0	0	0
Insurance Carriers & Related Activities	0	0	0	0
General Merchandise Stores	0	0	0	0
Truck Transportation	0	0	0	0
<i>All Other Industries</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<b>State Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	0	0	0
Professional, Scientific, & Technical Services	0	0	0	0
Food Services & Drinking Places	0	0	0	0
Wholesalers	0	0	0	0
Real Estate	0	0	0	0
Ambulatory Health Care Services	0	0	0	0
Management of Companies & Enterprises	0	0	0	0
Hospitals	0	0	0	0
Educational Services	0	0	0	0
Construction	0	0	0	0
Fabricated Metal Product Manufacturing	0	0	0	0
Food Manufacturing	0	0	0	0
Insurance Carriers & Related Activities	0	0	0	0
General Merchandise Stores	0	0	0	0
Truck Transportation	0	0	0	0
<i>All Other Industries</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<b>State Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	0	0	0
Professional, Scientific, & Technical Services	0	0	0	0
Food Services & Drinking Places	0	0	0	0
Wholesalers	0	0	0	0
Real Estate	0	0	0	0
Ambulatory Health Care Services	0	0	0	0
Management of Companies & Enterprises	0	0	0	0
Hospitals	0	0	0	0
Educational Services	0	0	0	0
Construction	0	0	0	0
Fabricated Metal Product Manufacturing	0	0	0	0
Food Manufacturing	0	0	0	0
Insurance Carriers & Related Activities	0	0	0	0
General Merchandise Stores	0	0	0	0
Truck Transportation	0	0	0	0
<i>All Other Industries</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<b>State Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Source: IHS Global Insight

Idaho Employment Contribution by State and Industry: Unconventional Gas (Number of workers)				
2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	69	56	124
Administrative & Support Services	0	57	67	124
Food Services & Drinking Places	0	11	67	78
Wholesalers	0	26	38	64
Crop Production	0	10	44	54
Ambulatory Health Care Services	0	0	50	50
Real Estate	0	13	36	49
Food Manufacturing	0	1	47	48
Animal Production	0	2	46	47
Construction	0	32	11	43
Hospitals	0	0	37	37
Social Assistance	0	0	34	34
Computer & Electronic Product Manufacturing	0	23	11	35
Truck Transportation	0	15	18	34
Fabricated Metal Product Manufacturing	0	24	5	30
<i>All Other Industries</i>	3	204	485	691
<b>State Total</b>	<b>3</b>	<b>488</b>	<b>1,051</b>	<b>1,542</b>
2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	124	101	225
Administrative & Support Services	0	97	114	211
Food Services & Drinking Places	0	22	127	148
Wholesalers	0	47	69	116
Crop Production	0	18	81	99
Ambulatory Health Care Services	0	0	91	91
Real Estate	0	25	64	89
Food Manufacturing	0	3	82	85
Animal Production	0	3	82	85
Construction	0	55	17	72
Hospitals	0	0	84	84
Social Assistance	0	0	63	63
Computer & Electronic Product Manufacturing	0	37	19	56
Truck Transportation	0	24	30	54
Fabricated Metal Product Manufacturing	0	47	11	59
<i>All Other Industries</i>	2	403	914	1,319
<b>State Total</b>	<b>2</b>	<b>906</b>	<b>1,950</b>	<b>2,857</b>
2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	158	134	292
Administrative & Support Services	0	120	139	259
Food Services & Drinking Places	0	29	170	199
Wholesalers	0	68	100	168
Crop Production	0	22	96	118
Ambulatory Health Care Services	0	0	115	115
Real Estate	0	36	92	128
Food Manufacturing	0	4	116	120
Animal Production	0	3	97	101
Construction	0	56	18	74
Hospitals	0	0	127	127
Social Assistance	0	0	78	78
Computer & Electronic Product Manufacturing	0	39	20	59
Truck Transportation	0	29	34	63
Fabricated Metal Product Manufacturing	0	60	14	73
<i>All Other Industries</i>	2	548	1,209	1,759
<b>State Total</b>	<b>2</b>	<b>1,171</b>	<b>2,560</b>	<b>3,733</b>

Source: IHS Global Insight

**Illinois Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	968	730	1,698
Administrative & Support Services	0	735	847	1,583
Mining (except Oil & Gas)	1,930	73	10	2,014
Food Services & Drinking Places	0	150	877	1,026
Fabricated Metal Product Manufacturing	0	729	117	846
Wholesalers	0	388	474	862
Real Estate	0	174	493	667
Machinery Manufacturing	341	266	30	638
Ambulatory Health Care Services	0	0	551	551
Hospitals	0	0	548	548
Management of Companies & Enterprises	0	347	156	503
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	90	373	462
Educational Services	0	4	408	412
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	142	246	387
Insurance Carriers & Related Activities	0	54	334	388
<i>All Other Industries</i>	42	2,614	5,842	8,497
<b>State Total</b>	<b>2,313</b>	<b>6,733</b>	<b>12,036</b>	<b>21,083</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,734	1,291	3,025
Administrative & Support Services	0	1,311	1,512	2,823
Mining (except Oil & Gas)	3,361	130	18	3,508
Food Services & Drinking Places	0	273	1,570	1,843
Fabricated Metal Product Manufacturing	0	1,247	211	1,459
Wholesalers	0	691	837	1,528
Real Estate	0	313	854	1,167
Machinery Manufacturing	677	440	55	1,173
Ambulatory Health Care Services	0	0	972	972
Hospitals	0	0	927	927
Management of Companies & Enterprises	0	638	276	914
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	151	645	797
Educational Services	0	8	769	776
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	254	439	693
Insurance Carriers & Related Activities	0	98	584	682
<i>All Other Industries</i>	85	4,730	10,514	15,330
<b>State Total</b>	<b>4,124</b>	<b>12,017</b>	<b>21,474</b>	<b>37,615</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	2,404	1,731	4,136
Administrative & Support Services	0	1,666	1,837	3,503
Mining (except Oil & Gas)	5,482	176	19	5,678
Food Services & Drinking Places	0	386	2,235	2,622
Fabricated Metal Product Manufacturing	2	1,570	265	1,837
Wholesalers	0	967	1,087	2,055
Real Estate	0	413	1,126	1,539
Machinery Manufacturing	1,154	508	67	1,729
Ambulatory Health Care Services	0	0	1,382	1,382
Hospitals	0	0	1,190	1,190
Management of Companies & Enterprises	0	872	377	1,249
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	191	850	1,041
Educational Services	0	11	1,099	1,110
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	380	602	982
Insurance Carriers & Related Activities	0	135	786	922
<i>All Other Industries</i>	167	6,274	14,491	20,931
<b>State Total</b>	<b>6,805</b>	<b>15,953</b>	<b>29,147</b>	<b>51,904</b>

Source: IHS Global Insight

**Indiana Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	275	316	590
Primary Metal Manufacturing	0	471	41	512
Fabricated Metal Product Manufacturing	35	417	61	513
Food Services & Drinking Places	0	69	342	410
Professional, Scientific, & Technical Services	0	209	165	374
Transportation Equipment Manufacturing	0	127	236	363
Wholesalers	0	133	164	297
Real Estate	0	67	178	245
Ambulatory Health Care Services	0	0	221	221
Machinery Manufacturing	91	148	19	258
Hospitals	0	0	202	202
Construction	0	138	56	194
Truck Transportation	0	92	104	196
Plastics & Rubber Products Manufacturing	0	108	66	174
Educational Services	0	2	141	143
<i>All Other Industries</i>	2	936	2,603	3,541
<b>State Total</b>	<b>128</b>	<b>3,191</b>	<b>4,915</b>	<b>8,234</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	504	580	1,084
Primary Metal Manufacturing	0	783	73	856
Fabricated Metal Product Manufacturing	106	724	113	943
Food Services & Drinking Places	0	122	600	722
Professional, Scientific, & Technical Services	0	393	297	689
Transportation Equipment Manufacturing	0	228	452	680
Wholesalers	0	235	294	529
Real Estate	0	132	337	469
Ambulatory Health Care Services	0	0	386	386
Machinery Manufacturing	150	236	33	420
Hospitals	0	0	361	361
Construction	0	256	91	347
Truck Transportation	0	156	182	338
Plastics & Rubber Products Manufacturing	0	202	126	327
Educational Services	0	3	263	265
<i>All Other Industries</i>	4	1,676	4,702	6,382
<b>State Total</b>	<b>260</b>	<b>5,650</b>	<b>8,888</b>	<b>14,798</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	757	791	1,548
Primary Metal Manufacturing	0	1,014	94	1,108
Fabricated Metal Product Manufacturing	351	1,065	165	1,581
Food Services & Drinking Places	0	190	821	1,011
Professional, Scientific, & Technical Services	0	570	401	971
Transportation Equipment Manufacturing	0	284	608	893
Wholesalers	0	363	395	758
Real Estate	0	191	468	658
Ambulatory Health Care Services	0	0	505	505
Machinery Manufacturing	337	318	45	701
Hospitals	0	0	436	436
Construction	0	311	118	429
Truck Transportation	0	209	217	426
Plastics & Rubber Products Manufacturing	0	272	167	439
Educational Services	0	4	356	360
<i>All Other Industries</i>	8	2,231	6,151	8,391
<b>State Total</b>	<b>697</b>	<b>7,779</b>	<b>11,739</b>	<b>20,215</b>

Source: IHS Global Insight

Iowa Employment Contribution by State and Industry: Unconventional Gas				
(Number of workers)				
2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	109	127	236
Crop Production	0	42	185	227
Food Services & Drinking Places	0	27	164	192
Primary Metal Manufacturing	15	78	9	103
Wholesalers	0	71	98	169
Mining (except Oil & Gas)	275	15	2	293
Professional, Scientific, & Technical Services	0	90	77	167
Fabricated Metal Product Manufacturing	0	132	20	152
Food Manufacturing	0	7	139	146
Truck Transportation	0	61	65	126
Construction	0	76	29	105
Insurance Carriers & Related Activities	0	16	98	113
Hospitals	0	0	109	109
Real Estate	0	24	67	91
Ambulatory Health Care Services	0	0	91	91
<i>All Other Industries</i>	<i>0</i>	<i>568</i>	<i>1,495</i>	<i>2,063</i>
<b>State Total</b>	<b>290</b>	<b>1,316</b>	<b>2,773</b>	<b>4,380</b>
2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	187	224	411
Crop Production	0	79	358	438
Food Services & Drinking Places	0	47	279	326
Primary Metal Manufacturing	10	121	16	147
Wholesalers	0	115	165	280
Mining (except Oil & Gas)	352	25	3	380
Professional, Scientific, & Technical Services	0	159	133	292
Fabricated Metal Product Manufacturing	12	254	38	304
Food Manufacturing	0	12	253	265
Truck Transportation	0	101	115	216
Construction	0	166	53	219
Insurance Carriers & Related Activities	0	25	150	175
Hospitals	0	0	178	178
Real Estate	0	43	115	157
Ambulatory Health Care Services	0	0	156	156
<i>All Other Industries</i>	<i>0</i>	<i>1,004</i>	<i>2,633</i>	<i>3,637</i>
<b>State Total</b>	<b>374</b>	<b>2,338</b>	<b>4,870</b>	<b>7,582</b>
2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	291	343	634
Crop Production	0	113	499	612
Food Services & Drinking Places	0	61	369	430
Primary Metal Manufacturing	12	153	18	184
Wholesalers	0	146	207	353
Mining (except Oil & Gas)	565	19	2	586
Professional, Scientific, & Technical Services	0	217	172	389
Fabricated Metal Product Manufacturing	45	442	63	551
Food Manufacturing	0	14	331	345
Truck Transportation	0	153	165	318
Construction	0	222	78	300
Insurance Carriers & Related Activities	0	31	180	211
Hospitals	0	0	202	202
Real Estate	0	57	151	208
Ambulatory Health Care Services	0	0	211	211
<i>All Other Industries</i>	<i>0</i>	<i>1,420</i>	<i>3,575</i>	<i>4,995</i>
<b>State Total</b>	<b>622</b>	<b>3,340</b>	<b>6,567</b>	<b>10,529</b>

Source: IHS Global Insight

**Kansas Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	162	114	276
Administrative & Support Services	0	170	163	333
Oil and Gas Extraction	0	29	10	39
Construction	0	70	26	96
Food Services & Drinking Places	0	41	186	228
Fabricated Metal Product Manufacturing	114	86	15	215
Wholesalers	0	96	95	191
Machinery Manufacturing	210	38	6	254
Real Estate	0	39	96	135
Ambulatory Health Care Services	0	0	123	123
Support Activities for Mining	0	14	0	15
Crop Production	0	25	110	135
Chemical Manufacturing	131	15	15	160
Utilities	0	39	15	54
Hospitals	0	0	101	101
<i>All Other Industries</i>	9	554	1,493	2,055
<b>State Total</b>	<b>463</b>	<b>1,379</b>	<b>2,567</b>	<b>4,410</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	289	199	489
Administrative & Support Services	0	299	293	592
Oil and Gas Extraction	0	46	15	61
Construction	0	148	47	195
Food Services & Drinking Places	0	69	313	383
Fabricated Metal Product Manufacturing	169	154	27	350
Wholesalers	0	162	167	329
Machinery Manufacturing	129	66	11	206
Real Estate	0	68	165	233
Ambulatory Health Care Services	0	0	205	205
Support Activities for Mining	0	25	1	26
Crop Production	0	46	206	252
Chemical Manufacturing	235	30	26	291
Utilities	0	72	29	101
Hospitals	0	0	178	178
<i>All Other Industries</i>	21	959	2,653	3,633
<b>State Total</b>	<b>553</b>	<b>2,435</b>	<b>4,534</b>	<b>7,522</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	414	280	694
Administrative & Support Services	0	402	375	777
Oil and Gas Extraction	0	49	16	64
Construction	0	180	61	240
Food Services & Drinking Places	0	92	402	494
Fabricated Metal Product Manufacturing	203	315	55	573
Wholesalers	0	223	216	439
Machinery Manufacturing	63	126	21	210
Real Estate	0	91	215	306
Ambulatory Health Care Services	0	0	267	267
Support Activities for Mining	0	32	1	33
Crop Production	0	61	266	327
Chemical Manufacturing	357	42	31	430
Utilities	0	108	40	148
Hospitals	0	0	224	224
<i>All Other Industries</i>	29	1,371	3,613	5,014
<b>State Total</b>	<b>653</b>	<b>3,505</b>	<b>6,082</b>	<b>10,240</b>

Source: IHS Global Insight

**Kentucky Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	175	199	374
Professional, Scientific, & Technical Services	0	147	128	274
Food Services & Drinking Places	0	41	224	264
Wholesalers	0	82	98	180
Fabricated Metal Product Manufacturing	22	132	20	174
Transportation Equipment Manufacturing	0	62	96	158
Mining (except Oil & Gas)	0	122	30	152
Ambulatory Health Care Services	0	0	137	137
Hospitals	0	0	135	135
Primary Metal Manufacturing	46	96	14	156
Real Estate	0	33	88	121
Animal Production	0	4	114	118
Crop Production	0	21	94	115
Construction	0	76	27	103
Couriers & Messengers	0	45	54	99
<i>All Other Industries</i>	3	771	1,617	2,391
<b>State Total</b>	<b>71</b>	<b>1,807</b>	<b>3,074</b>	<b>4,951</b>

2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	320	365	685
Professional, Scientific, & Technical Services	0	274	232	506
Food Services & Drinking Places	0	71	385	457
Wholesalers	0	143	175	318
Fabricated Metal Product Manufacturing	64	241	38	343
Transportation Equipment Manufacturing	0	113	178	291
Mining (except Oil & Gas)	0	184	46	230
Ambulatory Health Care Services	0	0	243	243
Hospitals	0	0	244	244
Primary Metal Manufacturing	75	183	26	284
Real Estate	0	63	160	223
Animal Production	0	8	214	221
Crop Production	0	39	178	217
Construction	0	157	50	207
Couriers & Messengers	0	82	99	181
<i>All Other Industries</i>	5	1,352	2,966	4,323
<b>State Total</b>	<b>144</b>	<b>3,231</b>	<b>5,599</b>	<b>8,973</b>

2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	455	478	933
Professional, Scientific, & Technical Services	0	331	266	597
Food Services & Drinking Places	0	94	475	569
Wholesalers	0	215	228	443
Fabricated Metal Product Manufacturing	199	408	63	670
Transportation Equipment Manufacturing	0	147	242	388
Mining (except Oil & Gas)	0	189	47	237
Ambulatory Health Care Services	0	0	314	314
Hospitals	0	0	292	292
Primary Metal Manufacturing	151	323	39	512
Real Estate	0	85	207	292
Animal Production	0	10	296	306
Crop Production	0	54	240	294
Construction	0	192	68	260
Couriers & Messengers	0	110	129	239
<i>All Other Industries</i>	10	1,851	3,998	5,858
<b>State Total</b>	<b>360</b>	<b>4,464</b>	<b>7,381</b>	<b>12,206</b>

Source: IHS Global Insight

Louisiana Employment Contribution by State and Industry: Unconventional Gas (Number of workers)				
2012	Direct	Indirect	Induced	Total
Support Activities for Mining	9,361	1,415	18	10,794
Construction	4,946	2,643	256	7,845
Professional, Scientific, & Technical Services	662	5,570	1,005	7,238
Oil and Gas Extraction	4,592	206	47	4,845
Food Services & Drinking Places	0	617	2,713	3,331
Administrative & Support Services	0	2,145	1,124	3,269
Fabricated Metal Product Manufacturing	486	464	37	987
Ambulatory Health Care Services	0	0	1,848	1,848
Wholesalers	0	982	769	1,751
Utilities	1,413	163	106	1,682
Real Estate	0	510	888	1,399
Hospitals	0	0	1,276	1,276
Management of Companies & Enterprises	0	1,128	136	1,264
Social Assistance	0	0	1,130	1,130
Truck Transportation	587	391	204	1,181
<i>All Other Industries</i>	<i>485</i>	<i>5,392</i>	<i>13,014</i>	<i>18,891</i>
<b>State Total</b>	<b>22,532</b>	<b>21,627</b>	<b>24,571</b>	<b>68,730</b>
2020	Direct	Indirect	Induced	Total
Support Activities for Mining	10,033	724	11	10,767
Construction	4,925	3,610	340	8,875
Professional, Scientific, & Technical Services	932	5,114	1,285	7,331
Oil and Gas Extraction	6,211	390	94	6,695
Food Services & Drinking Places	0	794	3,605	4,399
Administrative & Support Services	0	2,830	1,524	4,353
Fabricated Metal Product Manufacturing	1,001	675	62	1,738
Ambulatory Health Care Services	0	0	2,440	2,441
Wholesalers	0	1,329	1,042	2,372
Utilities	1,618	226	142	1,986
Real Estate	0	683	1,209	1,892
Hospitals	0	0	1,687	1,687
Management of Companies & Enterprises	0	1,514	194	1,707
Social Assistance	0	0	1,511	1,511
Truck Transportation	843	578	311	1,732
<i>All Other Industries</i>	<i>730</i>	<i>7,240</i>	<i>17,659</i>	<i>25,629</i>
<b>State Total</b>	<b>26,293</b>	<b>25,704</b>	<b>33,116</b>	<b>85,113</b>
2035	Direct	Indirect	Induced	Total
Support Activities for Mining	10,548	825	13	11,386
Construction	5,100	3,993	387	9,481
Professional, Scientific, & Technical Services	1,036	5,791	1,463	8,291
Oil and Gas Extraction	6,192	511	132	6,835
Food Services & Drinking Places	0	894	4,074	4,968
Administrative & Support Services	0	3,205	1,726	4,931
Fabricated Metal Product Manufacturing	884	916	89	1,889
Ambulatory Health Care Services	0	0	2,815	2,815
Wholesalers	0	1,492	1,193	2,684
Utilities	1,870	249	161	2,279
Real Estate	0	786	1,406	2,193
Hospitals	0	0	1,913	1,913
Management of Companies & Enterprises	0	1,662	213	1,875
Social Assistance	0	0	1,722	1,722
Truck Transportation	974	660	350	1,983
<i>All Other Industries</i>	<i>696</i>	<i>8,444</i>	<i>20,376</i>	<i>29,515</i>
<b>State Total</b>	<b>27,299</b>	<b>29,428</b>	<b>38,032</b>	<b>94,759</b>

Source: IHS Global Insight

**Maine Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	0	0	0
Administrative & Support Services	0	0	0	0
Food Services & Drinking Places	0	0	0	0
Hospitals	0	0	0	0
Social Assistance	0	0	0	0
Real Estate	0	0	0	0
Ambulatory Health Care Services	0	0	0	0
Educational Services	0	0	0	0
Nursing & Residential Care Facilities	0	0	0	0
Wholesalers	0	0	0	0
Fabricated Metal Product Manufacturing	0	0	0	0
Construction	0	0	0	0
Nonstore Retailers	0	0	0	0
Accommodation	0	0	0	0
Management of Companies & Enterprises	0	0	0	0
<i>All Other Industries</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<b>State Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	0	0	0
Administrative & Support Services	0	0	0	0
Food Services & Drinking Places	0	0	0	0
Hospitals	0	0	0	0
Social Assistance	0	0	0	0
Real Estate	0	0	0	0
Ambulatory Health Care Services	0	0	0	0
Educational Services	0	0	0	0
Nursing & Residential Care Facilities	0	0	0	0
Wholesalers	0	0	0	0
Fabricated Metal Product Manufacturing	0	0	0	0
Construction	0	0	0	0
Nonstore Retailers	0	0	0	0
Accommodation	0	0	0	0
Management of Companies & Enterprises	0	0	0	0
<i>All Other Industries</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<b>State Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	0	0	0
Administrative & Support Services	0	0	0	0
Food Services & Drinking Places	0	0	0	0
Hospitals	0	0	0	0
Social Assistance	0	0	0	0
Real Estate	0	0	0	0
Ambulatory Health Care Services	0	0	0	0
Educational Services	0	0	0	0
Nursing & Residential Care Facilities	0	0	0	0
Wholesalers	0	0	0	0
Fabricated Metal Product Manufacturing	0	0	0	0
Construction	0	0	0	0
Nonstore Retailers	0	0	0	0
Accommodation	0	0	0	0
Management of Companies & Enterprises	0	0	0	0
<i>All Other Industries</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<b>State Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Source: IHS Global Insight

America's New Energy Future: The Unconventional Oil and Gas Revolution and the US Economy  
Appendix B – Employment Contributions by State, Industry, and Year

**Maryland Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	471	346	816
Administrative & Support Services	0	209	255	464
Real Estate	0	88	241	329
Food Services & Drinking Places	0	47	277	325
Construction	0	179	74	253
Ambulatory Health Care Services	0	0	194	194
Wholesalers	0	81	116	197
Hospitals	0	0	190	190
Educational Services	0	2	172	174
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	27	132	158
Nursing & Residential Care Facilities	0	0	125	125
Social Assistance	0	0	117	117
Food & Beverage Stores	0	5	114	119
Repair & Maintenance	0	36	77	113
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	33	72	105
<i>All Other Industries</i>	2	720	1,481	2,202
<b>State Total</b>	<b>2</b>	<b>1,898</b>	<b>3,981</b>	<b>5,880</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	851	605	1,456
Administrative & Support Services	0	366	444	811
Real Estate	0	170	446	616
Food Services & Drinking Places	0	87	504	590
Construction	0	396	135	531
Ambulatory Health Care Services	0	0	362	362
Wholesalers	0	138	203	340
Hospitals	0	0	341	341
Educational Services	0	3	316	319
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	53	256	309
Nursing & Residential Care Facilities	0	0	227	227
Social Assistance	0	0	206	206
Food & Beverage Stores	0	9	209	219
Repair & Maintenance	0	60	122	182
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	59	131	190
<i>All Other Industries</i>	3	1,301	2,654	3,957
<b>State Total</b>	<b>3</b>	<b>3,492</b>	<b>7,162</b>	<b>10,657</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	863	610	1,474
Administrative & Support Services	0	475	566	1,041
Real Estate	0	227	584	811
Food Services & Drinking Places	0	115	678	794
Construction	0	502	176	678
Ambulatory Health Care Services	0	0	471	471
Wholesalers	0	177	259	435
Hospitals	0	0	395	395
Educational Services	0	4	469	473
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	74	361	436
Nursing & Residential Care Facilities	0	0	270	270
Social Assistance	0	0	238	238
Food & Beverage Stores	0	11	274	285
Repair & Maintenance	0	72	142	213
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	74	158	232
<i>All Other Industries</i>	6	1,563	3,351	4,920
<b>State Total</b>	<b>6</b>	<b>4,159</b>	<b>9,003</b>	<b>13,167</b>

Source: IHS Global Insight

**Massachusetts Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	541	413	953
Administrative & Support Services	0	244	302	545
Food Services & Drinking Places	0	63	370	434
Educational Services	0	3	313	316
Hospitals	0	0	324	324
Real Estate	0	78	211	289
Wholesalers	0	119	169	288
Fabricated Metal Product Manufacturing	0	235	41	276
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	82	180	262
Ambulatory Health Care Services	0	0	256	256
Management of Companies & Enterprises	0	168	87	255
Social Assistance	0	0	184	184
Construction	0	125	55	180
Nursing & Residential Care Facilities	0	0	177	177
Food & Beverage Stores	0	7	170	177
All Other Industries	19	905	2,150	3,073
<b>State Total</b>	<b>19</b>	<b>2,571</b>	<b>5,400</b>	<b>7,989</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	958	722	1,680
Administrative & Support Services	0	430	532	963
Food Services & Drinking Places	0	112	647	759
Educational Services	0	6	575	581
Hospitals	0	0	567	567
Real Estate	0	138	361	500
Wholesalers	0	209	301	511
Fabricated Metal Product Manufacturing	0	399	72	470
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	143	316	459
Ambulatory Health Care Services	0	0	445	445
Management of Companies & Enterprises	0	294	146	439
Social Assistance	0	0	335	335
Construction	0	256	101	357
Nursing & Residential Care Facilities	0	0	300	300
Food & Beverage Stores	0	13	303	317
All Other Industries	51	1,606	3,735	5,392
<b>State Total</b>	<b>51</b>	<b>4,565</b>	<b>9,459</b>	<b>14,075</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,132	876	2,008
Administrative & Support Services	0	516	621	1,137
Food Services & Drinking Places	0	141	803	944
Educational Services	0	8	670	678
Hospitals	0	0	631	631
Real Estate	0	161	407	568
Wholesalers	0	259	358	616
Fabricated Metal Product Manufacturing	0	377	67	444
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	187	396	584
Ambulatory Health Care Services	0	0	535	535
Management of Companies & Enterprises	0	302	155	457
Social Assistance	0	0	409	409
Construction	0	293	135	428
Nursing & Residential Care Facilities	0	0	330	330
Food & Beverage Stores	0	15	359	373
All Other Industries	162	1,883	4,470	6,516
<b>State Total</b>	<b>162</b>	<b>5,274</b>	<b>11,222</b>	<b>16,658</b>

Source: IHS Global Insight

**Michigan Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Machinery Manufacturing	3,280	209	23	3,513
Professional, Scientific, & Technical Services	0	765	491	1,256
Administrative & Support Services	0	573	627	1,200
Food Services & Drinking Places	0	152	771	922
Fabricated Metal Product Manufacturing	0	645	88	733
Real Estate	0	161	394	555
Wholesalers	0	271	297	568
Ambulatory Health Care Services	0	0	532	532
Hospitals	0	0	490	490
Transportation Equipment Manufacturing	0	112	281	393
Management of Companies & Enterprises	0	283	92	374
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	54	263	316
Social Assistance	0	0	289	289
General Merchandise Stores	0	8	268	276
Primary Metal Manufacturing	0	267	21	288
<i>All Other Industries</i>	<i>81</i>	<i>1,733</i>	<i>4,451</i>	<i>6,265</i>
<b>State Total</b>	<b>3,362</b>	<b>5,231</b>	<b>9,379</b>	<b>17,971</b>

2020	Direct	Indirect	Induced	Total
Machinery Manufacturing	6,151	409	47	6,607
Professional, Scientific, & Technical Services	0	1,431	881	2,312
Administrative & Support Services	0	1,000	1,083	2,083
Food Services & Drinking Places	0	284	1,417	1,701
Fabricated Metal Product Manufacturing	0	1,276	182	1,458
Real Estate	0	305	722	1,026
Wholesalers	0	495	539	1,034
Ambulatory Health Care Services	0	0	934	934
Hospitals	0	0	870	870
Transportation Equipment Manufacturing	0	214	486	700
Management of Companies & Enterprises	0	525	161	685
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	92	465	557
Social Assistance	0	0	534	534
General Merchandise Stores	0	15	492	507
Primary Metal Manufacturing	0	519	42	562
<i>All Other Industries</i>	<i>181</i>	<i>3,265</i>	<i>8,080</i>	<i>11,526</i>
<b>State Total</b>	<b>6,333</b>	<b>9,830</b>	<b>16,933</b>	<b>33,095</b>

2035	Direct	Indirect	Induced	Total
Machinery Manufacturing	8,624	601	68	9,294
Professional, Scientific, & Technical Services	0	2,125	1,253	3,379
Administrative & Support Services	0	1,352	1,371	2,724
Food Services & Drinking Places	0	422	2,039	2,462
Fabricated Metal Product Manufacturing	0	2,016	289	2,305
Real Estate	0	436	1,003	1,439
Wholesalers	0	739	749	1,487
Ambulatory Health Care Services	0	0	1,283	1,283
Hospitals	0	0	1,143	1,143
Transportation Equipment Manufacturing	0	303	608	911
Management of Companies & Enterprises	0	815	249	1,064
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	121	626	747
Social Assistance	0	0	776	776
General Merchandise Stores	0	19	699	718
Primary Metal Manufacturing	0	826	65	891
<i>All Other Industries</i>	<i>464</i>	<i>4,718</i>	<i>11,229</i>	<i>16,412</i>
<b>State Total</b>	<b>9,089</b>	<b>14,495</b>	<b>23,451</b>	<b>47,035</b>

Source: IHS Global Insight

**Minnesota Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Mining (except Oil & Gas)	307	62	3	373
Professional, Scientific, & Technical Services	0	281	234	515
Administrative & Support Services	0	211	257	468
Food Services & Drinking Places	0	49	297	345
Real Estate	0	81	225	306
Management of Companies & Enterprises	0	207	106	314
Wholesalers	0	124	180	304
Fabricated Metal Product Manufacturing	0	269	50	319
Ambulatory Health Care Services	0	0	234	234
Social Assistance	0	0	208	208
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	39	164	203
Hospitals	0	0	193	193
Nursing & Residential Care Facilities	0	0	192	192
Crop Production	0	36	162	198
Educational Services	0	2	154	156
<i>All Other Industries</i>	<i>0</i>	<i>1,161</i>	<i>2,294</i>	<i>3,454</i>
<b>State Total</b>	<b>307</b>	<b>2,523</b>	<b>4,952</b>	<b>7,782</b>
2020	Direct	Indirect	Induced	Total
Mining (except Oil & Gas)	846	110	6	962
Professional, Scientific, & Technical Services	0	543	432	975
Administrative & Support Services	0	396	480	876
Food Services & Drinking Places	0	91	556	647
Real Estate	0	163	442	604
Management of Companies & Enterprises	0	387	189	576
Wholesalers	0	221	332	553
Fabricated Metal Product Manufacturing	0	478	92	570
Ambulatory Health Care Services	0	0	426	426
Social Assistance	0	0	394	394
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	75	307	382
Hospitals	0	0	351	351
Nursing & Residential Care Facilities	0	0	371	371
Crop Production	0	63	285	348
Educational Services	0	3	309	312
<i>All Other Industries</i>	<i>0</i>	<i>2,194</i>	<i>4,288</i>	<i>6,482</i>
<b>State Total</b>	<b>846</b>	<b>4,723</b>	<b>9,259</b>	<b>14,828</b>
2035	Direct	Indirect	Induced	Total
Mining (except Oil & Gas)	2,267	172	8	2,447
Professional, Scientific, & Technical Services	0	840	608	1,448
Administrative & Support Services	0	511	598	1,109
Food Services & Drinking Places	0	132	855	986
Real Estate	0	226	624	851
Management of Companies & Enterprises	0	469	235	704
Wholesalers	0	314	480	793
Fabricated Metal Product Manufacturing	0	569	107	676
Ambulatory Health Care Services	0	0	605	605
Social Assistance	0	0	531	531
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	110	450	560
Hospitals	0	0	475	475
Nursing & Residential Care Facilities	0	0	517	517
Crop Production	0	82	363	444
Educational Services	0	4	450	454
<i>All Other Industries</i>	<i>0</i>	<i>3,021</i>	<i>6,150</i>	<i>9,172</i>
<b>State Total</b>	<b>2,267</b>	<b>6,449</b>	<b>13,056</b>	<b>21,771</b>

Source: IHS Global Insight

**Mississippi Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	74	91	165
Food Services & Drinking Places	0	20	119	140
Professional, Scientific, & Technical Services	0	59	52	111
Accommodation	0	36	64	100
Ambulatory Health Care Services	0	0	79	79
Real Estate	0	20	54	74
Furniture & Related Product Manufacturing	0	2	75	77
Postal Service	0	27	46	74
Wholesalers	0	31	45	76
Food Manufacturing	0	3	68	71
Crop Production	0	13	57	70
Construction	0	46	15	60
Fabricated Metal Product Manufacturing	0	52	9	61
General Merchandise Stores	0	2	54	57
Animal Production	0	2	55	57
<i>All Other Industries</i>	0	430	857	1,287
<b>State Total</b>	<b>0</b>	<b>816</b>	<b>1,742</b>	<b>2,558</b>

2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	145	178	322
Food Services & Drinking Places	0	36	211	247
Professional, Scientific, & Technical Services	0	115	96	211
Accommodation	0	62	115	176
Ambulatory Health Care Services	0	0	160	160
Real Estate	0	38	99	136
Furniture & Related Product Manufacturing	0	6	162	168
Postal Service	0	55	94	149
Wholesalers	0	54	80	134
Food Manufacturing	0	4	121	125
Crop Production	0	25	113	138
Construction	0	98	28	126
Fabricated Metal Product Manufacturing	0	93	18	111
General Merchandise Stores	0	4	93	97
Animal Production	0	4	104	108
<i>All Other Industries</i>	1	766	1,556	2,322
<b>State Total</b>	<b>1</b>	<b>1,503</b>	<b>3,227</b>	<b>4,731</b>

2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	302	304	607
Food Services & Drinking Places	0	73	399	472
Professional, Scientific, & Technical Services	32	308	158	498
Accommodation	0	92	172	265
Ambulatory Health Care Services	0	0	303	303
Real Estate	0	73	167	240
Furniture & Related Product Manufacturing	0	8	194	202
Postal Service	0	69	116	186
Wholesalers	0	98	123	222
Food Manufacturing	0	5	152	157
Crop Production	0	37	160	197
Construction	227	234	48	508
Fabricated Metal Product Manufacturing	0	107	20	128
General Merchandise Stores	0	10	144	154
Animal Production	0	5	141	146
<i>All Other Industries</i>	876	1,160	2,502	4,538
<b>State Total</b>	<b>1,135</b>	<b>2,583</b>	<b>5,103</b>	<b>8,821</b>

Source: IHS Global Insight

**Missouri Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Machinery Manufacturing	5,171	80	14	5,265
Professional, Scientific, & Technical Services	0	586	348	934
Administrative & Support Services	0	464	443	907
Food Services & Drinking Places	0	157	738	894
Mining (except Oil & Gas)	716	40	5	761
Real Estate	0	179	388	567
Wholesalers	0	294	283	577
Management of Companies & Enterprises	0	387	108	496
Ambulatory Health Care Services	0	0	467	468
Hospitals	0	0	417	417
Truck Transportation	0	236	102	338
Social Assistance	0	0	312	312
Nursing & Residential Care Facilities	0	0	274	274
Educational Services	0	2	249	251
Insurance Carriers & Related Activities	0	37	223	260
<i>All Other Industries</i>	4	1,855	4,050	5,909
<b>State Total</b>	<b>5,891</b>	<b>4,318</b>	<b>8,420</b>	<b>18,629</b>
<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Machinery Manufacturing	11,012	157	27	11,197
Professional, Scientific, & Technical Services	0	1,204	674	1,878
Administrative & Support Services	0	925	867	1,792
Food Services & Drinking Places	0	317	1,451	1,768
Mining (except Oil & Gas)	1,272	66	8	1,346
Real Estate	0	369	770	1,140
Wholesalers	0	587	547	1,134
Management of Companies & Enterprises	0	764	192	955
Ambulatory Health Care Services	0	0	907	907
Hospitals	0	0	797	797
Truck Transportation	0	475	190	664
Social Assistance	0	0	612	612
Nursing & Residential Care Facilities	0	0	523	523
Educational Services	0	4	488	492
Insurance Carriers & Related Activities	0	73	424	497
<i>All Other Industries</i>	6	3,583	7,842	11,431
<b>State Total</b>	<b>12,290</b>	<b>8,524</b>	<b>16,318</b>	<b>37,132</b>
<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Machinery Manufacturing	11,218	246	45	11,509
Professional, Scientific, & Technical Services	0	1,513	847	2,360
Administrative & Support Services	0	1,122	1,072	2,194
Food Services & Drinking Places	0	372	1,748	2,120
Mining (except Oil & Gas)	1,527	72	8	1,607
Real Estate	0	438	927	1,365
Wholesalers	0	685	656	1,342
Management of Companies & Enterprises	0	833	212	1,045
Ambulatory Health Care Services	0	0	1,067	1,067
Hospitals	0	0	893	893
Truck Transportation	0	558	231	789
Social Assistance	0	0	720	720
Nursing & Residential Care Facilities	0	0	592	592
Educational Services	0	5	596	601
Insurance Carriers & Related Activities	0	85	490	575
<i>All Other Industries</i>	6	4,485	9,593	14,084
<b>State Total</b>	<b>12,752</b>	<b>10,414</b>	<b>19,697</b>	<b>42,862</b>

Source: IHS Global Insight

**Montana Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Oil and Gas Extraction	0	9	3	11
Construction	0	21	8	29
Professional, Scientific, & Technical Services	0	36	31	67
Food Services & Drinking Places	0	9	54	63
Administrative & Support Services	0	31	37	68
Real Estate	0	9	25	34
Ambulatory Health Care Services	0	0	29	29
Wholesalers	0	15	22	37
Hospitals	0	0	38	38
Support Activities for Mining	0	12	0	12
Utilities	0	6	5	11
Social Assistance	0	0	26	26
Repair & Maintenance	0	6	14	20
Truck Transportation	0	8	9	17
Insurance Carriers & Related Activities	0	2	13	15
<i>All Other Industries</i>	0	170	432	602
<b>State Total</b>	<b>0</b>	<b>333</b>	<b>745</b>	<b>1,078</b>

2020	Direct	Indirect	Induced	Total
Oil and Gas Extraction	0	20	7	27
Construction	0	44	14	58
Professional, Scientific, & Technical Services	0	71	60	131
Food Services & Drinking Places	0	16	96	112
Administrative & Support Services	0	54	65	119
Real Estate	0	18	47	65
Ambulatory Health Care Services	0	0	53	53
Wholesalers	0	26	38	63
Hospitals	0	0	71	71
Support Activities for Mining	0	20	1	20
Utilities	0	10	9	19
Social Assistance	0	0	46	46
Repair & Maintenance	0	10	25	35
Truck Transportation	0	12	15	28
Insurance Carriers & Related Activities	0	4	25	28
<i>All Other Industries</i>	0	310	815	1,125
<b>State Total</b>	<b>0</b>	<b>615</b>	<b>1,385</b>	<b>2,000</b>

2035	Direct	Indirect	Induced	Total
Oil and Gas Extraction	0	33	12	45
Construction	0	56	21	77
Professional, Scientific, & Technical Services	0	84	73	158
Food Services & Drinking Places	0	20	118	138
Administrative & Support Services	0	74	88	162
Real Estate	0	24	63	87
Ambulatory Health Care Services	0	0	69	69
Wholesalers	0	33	49	82
Hospitals	0	0	86	86
Support Activities for Mining	0	31	1	32
Utilities	0	10	8	18
Social Assistance	0	0	57	57
Repair & Maintenance	0	13	30	43
Truck Transportation	0	16	19	35
Insurance Carriers & Related Activities	0	6	36	42
<i>All Other Industries</i>	0	392	1,078	1,469
<b>State Total</b>	<b>0</b>	<b>792</b>	<b>1,807</b>	<b>2,599</b>

Source: IHS Global Insight

**Nebraska Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	0	86	74	160
Primary Metal Manufacturing	23	17	1	42
Administrative & Support Services	0	69	75	144
Fabricated Metal Product Manufacturing	45	45	7	96
Wholesalers	0	50	57	106
Food Services & Drinking Places	0	20	102	121
Crop Production	0	21	92	112
Truck Transportation	0	44	49	93
Rail Transportation	0	63	31	94
Food Manufacturing	0	3	90	93
Insurance Carriers & Related Activities	0	12	76	89
Management of Companies & Enterprises	0	51	25	76
Real Estate	0	19	51	70
Hospitals	0	0	75	75
Ambulatory Health Care Services	0	0	63	63
<i>All Other Industries</i>	<i>0</i>	<i>315</i>	<i>816</i>	<i>1,131</i>
<b>State Total</b>	<b>68</b>	<b>814</b>	<b>1,683</b>	<b>2,565</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	0	148	133	281
Primary Metal Manufacturing	15	34	3	53
Administrative & Support Services	0	108	123	230
Fabricated Metal Product Manufacturing	45	83	13	140
Wholesalers	0	74	98	172
Food Services & Drinking Places	0	32	177	210
Crop Production	0	37	166	202
Truck Transportation	0	74	89	163
Rail Transportation	0	105	53	158
Food Manufacturing	0	6	163	169
Insurance Carriers & Related Activities	0	22	136	158
Management of Companies & Enterprises	0	123	61	183
Real Estate	0	36	94	130
Hospitals	0	0	134	134
Ambulatory Health Care Services	0	0	112	112
<i>All Other Industries</i>	<i>0</i>	<i>573</i>	<i>1,505</i>	<i>2,078</i>
<b>State Total</b>	<b>61</b>	<b>1,455</b>	<b>3,057</b>	<b>4,573</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	0	179	168	347
Primary Metal Manufacturing	18	60	4	83
Administrative & Support Services	0	111	125	236
Fabricated Metal Product Manufacturing	41	135	20	196
Wholesalers	0	90	119	209
Food Services & Drinking Places	0	43	238	281
Crop Production	0	46	202	248
Truck Transportation	0	98	113	211
Rail Transportation	0	116	57	173
Food Manufacturing	0	7	197	204
Insurance Carriers & Related Activities	0	28	167	195
Management of Companies & Enterprises	0	221	118	339
Real Estate	0	47	119	166
Hospitals	0	0	160	160
Ambulatory Health Care Services	0	0	147	147
<i>All Other Industries</i>	<i>0</i>	<i>741</i>	<i>1,954</i>	<i>2,695</i>
<b>State Total</b>	<b>59</b>	<b>1,922</b>	<b>3,910</b>	<b>5,891</b>

Source: IHS Global Insight

**Nevada Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Accommodation	0	248	422	670
Administrative & Support Services	0	119	131	250
Professional, Scientific, & Technical Services	0	100	79	179
Food Services & Drinking Places	0	27	155	181
Real Estate	0	44	120	164
Mining (except Oil & Gas)	0	118	10	129
Amusement, Gambling, & Recreation Industries	0	2	86	88
Management of Companies & Enterprises	0	52	27	79
Construction	0	58	20	78
Wholesalers	0	34	46	79
Ambulatory Health Care Services	0	0	72	72
Transit & Ground Passenger Transport	0	24	39	62
Performing Arts, Spectator Sports, & Related In	0	14	39	54
Support Activities for Mining	0	49	1	50
Repair & Maintenance	0	13	33	46
<i>All Other Industries</i>	13	246	731	990
<b>State Total</b>	<b>13</b>	<b>1,149</b>	<b>2,009</b>	<b>3,171</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Accommodation	0	455	802	1,257
Administrative & Support Services	0	215	245	460
Professional, Scientific, & Technical Services	0	173	143	316
Food Services & Drinking Places	0	52	298	350
Real Estate	0	99	259	358
Mining (except Oil & Gas)	0	215	20	235
Amusement, Gambling, & Recreation Industries	0	5	167	171
Management of Companies & Enterprises	0	108	54	161
Construction	0	117	36	153
Wholesalers	0	59	83	142
Ambulatory Health Care Services	0	0	125	125
Transit & Ground Passenger Transport	0	40	66	107
Performing Arts, Spectator Sports, & Related In	0	36	98	134
Support Activities for Mining	0	61	1	63
Repair & Maintenance	0	29	69	98
<i>All Other Industries</i>	18	457	1,417	1,892
<b>State Total</b>	<b>18</b>	<b>2,123</b>	<b>3,881</b>	<b>6,022</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Accommodation	0	596	1,054	1,650
Administrative & Support Services	0	311	365	676
Professional, Scientific, & Technical Services	0	205	184	389
Food Services & Drinking Places	0	73	427	499
Real Estate	0	143	366	509
Mining (except Oil & Gas)	0	287	25	312
Amusement, Gambling, & Recreation Industries	0	6	195	200
Management of Companies & Enterprises	0	145	78	223
Construction	0	175	56	232
Wholesalers	0	81	116	197
Ambulatory Health Care Services	0	0	184	184
Transit & Ground Passenger Transport	0	55	90	145
Performing Arts, Spectator Sports, & Related In	0	53	141	194
Support Activities for Mining	0	64	1	65
Repair & Maintenance	0	38	87	125
<i>All Other Industries</i>	15	586	1,981	2,582
<b>State Total</b>	<b>15</b>	<b>2,817</b>	<b>5,350</b>	<b>8,182</b>

Source: IHS Global Insight

**New Hampshire Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	57	47	104
Fabricated Metal Product Manufacturing	0	92	11	103
Administrative & Support Services	0	41	50	91
Food Services & Drinking Places	0	12	69	81
Educational Services	0	1	58	58
Wholesalers	0	26	37	63
Real Estate	0	14	38	53
Ambulatory Health Care Services	0	0	46	46
Hospitals	0	0	48	48
Food & Beverage Stores	0	2	36	38
Management of Companies & Enterprises	0	24	12	36
Construction	0	25	10	35
Social Assistance	0	0	33	33
Insurance Carriers & Related Activities	0	5	30	35
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	10	22	32
<i>All Other Industries</i>	7	215	475	696
<b>State Total</b>	<b>7</b>	<b>522</b>	<b>1,023</b>	<b>1,552</b>
2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	107	86	193
Fabricated Metal Product Manufacturing	0	159	19	178
Administrative & Support Services	0	74	92	166
Food Services & Drinking Places	0	21	120	141
Educational Services	0	1	100	101
Wholesalers	0	48	67	115
Real Estate	0	28	74	102
Ambulatory Health Care Services	0	0	77	77
Hospitals	0	0	84	84
Food & Beverage Stores	0	3	64	67
Management of Companies & Enterprises	0	43	21	64
Construction	0	48	16	64
Social Assistance	0	0	61	61
Insurance Carriers & Related Activities	0	9	52	61
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	17	37	54
<i>All Other Industries</i>	13	361	849	1,222
<b>State Total</b>	<b>13</b>	<b>918</b>	<b>1,820</b>	<b>2,750</b>
2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	136	107	243
Fabricated Metal Product Manufacturing	0	160	20	181
Administrative & Support Services	0	96	117	214
Food Services & Drinking Places	0	25	149	174
Educational Services	0	1	119	120
Wholesalers	0	65	87	151
Real Estate	0	36	92	128
Ambulatory Health Care Services	0	0	88	88
Hospitals	0	0	97	97
Food & Beverage Stores	0	3	80	83
Management of Companies & Enterprises	0	47	24	71
Construction	0	56	19	75
Social Assistance	0	0	76	76
Insurance Carriers & Related Activities	0	12	68	80
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	21	45	65
<i>All Other Industries</i>	37	437	1,076	1,551
<b>State Total</b>	<b>37</b>	<b>1,097</b>	<b>2,264</b>	<b>3,398</b>

Source: IHS Global Insight

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Appendix B – Employment Contributions by State, Industry, and Year

**New Jersey Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	578	468	1,046
Administrative & Support Services	0	371	443	815
Wholesalers	0	225	294	519
Real Estate	0	119	318	437
Food Services & Drinking Places	0	65	362	427
Ambulatory Health Care Services	0	0	345	345
Management of Companies & Enterprises	0	221	112	333
Hospitals	0	0	292	292
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	90	190	280
Educational Services	0	2	225	227
Accommodation	0	69	154	223
Construction	0	147	64	210
Insurance Carriers & Related Activities	0	30	191	221
Chemical Manufacturing	0	60	143	203
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	36	168	204
<i>All Other Industries</i>	153	1,215	2,934	4,301
<b>State Total</b>	<b>153</b>	<b>3,230</b>	<b>6,702</b>	<b>10,084</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,037	823	1,860
Administrative & Support Services	0	603	714	1,317
Wholesalers	0	397	517	913
Real Estate	0	221	563	784
Food Services & Drinking Places	0	121	661	781
Ambulatory Health Care Services	0	0	615	615
Management of Companies & Enterprises	0	419	202	621
Hospitals	0	0	508	508
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	156	326	482
Educational Services	0	5	418	423
Accommodation	0	123	279	403
Construction	0	325	122	447
Insurance Carriers & Related Activities	0	58	351	409
Chemical Manufacturing	0	95	247	343
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	70	318	389
<i>All Other Industries</i>	377	2,263	5,394	8,034
<b>State Total</b>	<b>377</b>	<b>5,893</b>	<b>12,059</b>	<b>18,330</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,341	1,025	2,366
Administrative & Support Services	0	707	764	1,470
Wholesalers	0	590	664	1,255
Real Estate	0	307	737	1,044
Food Services & Drinking Places	0	176	898	1,074
Ambulatory Health Care Services	0	0	813	813
Management of Companies & Enterprises	0	513	246	760
Hospitals	0	0	602	602
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	217	410	627
Educational Services	0	7	532	540
Accommodation	0	140	301	442
Construction	0	347	141	488
Insurance Carriers & Related Activities	0	83	478	561
Chemical Manufacturing	0	113	321	434
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	96	415	511
<i>All Other Industries</i>	1,038	2,984	7,313	11,335
<b>State Total</b>	<b>1,038</b>	<b>7,622</b>	<b>15,661</b>	<b>24,321</b>

Source: IHS Global Insight

**New Mexico Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Oil and Gas Extraction	0	92	27	118
Construction	203	105	34	342
Professional, Scientific, & Technical Services	20	409	130	559
Machinery Manufacturing	1,300	11	0	1,312
Support Activities for Mining	86	51	2	139
Administrative & Support Services	0	342	143	485
Food Services & Drinking Places	0	171	267	438
Wholesalers	0	292	78	369
Real Estate	0	87	127	215
Ambulatory Health Care Services	0	0	208	208
Management of Companies & Enterprises	0	160	36	195
Social Assistance	0	0	148	148
Repair & Maintenance	0	73	64	137
Hospitals	0	0	113	113
Utilities	0	43	15	57
<i>All Other Industries</i>	<i>74</i>	<i>844</i>	<i>1,443</i>	<i>2,360</i>
<b>State Total</b>	<b>1,683</b>	<b>2,679</b>	<b>2,834</b>	<b>7,196</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Oil and Gas Extraction	0	167	48	215
Construction	0	185	51	236
Professional, Scientific, & Technical Services	0	504	215	719
Machinery Manufacturing	777	12	1	790
Support Activities for Mining	0	93	3	96
Administrative & Support Services	0	361	224	585
Food Services & Drinking Places	0	151	366	516
Wholesalers	0	256	107	363
Real Estate	0	103	185	288
Ambulatory Health Care Services	0	0	282	282
Management of Companies & Enterprises	0	217	63	280
Social Assistance	0	0	221	221
Repair & Maintenance	0	86	97	183
Hospitals	0	0	168	168
Utilities	0	73	23	95
<i>All Other Industries</i>	<i>161</i>	<i>1,044</i>	<i>2,094</i>	<i>3,298</i>
<b>State Total</b>	<b>938</b>	<b>3,252</b>	<b>4,147</b>	<b>8,336</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Oil and Gas Extraction	1,279	238	70	1,587
Construction	1,053	758	107	1,918
Professional, Scientific, & Technical Services	92	1,507	420	2,019
Machinery Manufacturing	799	12	1	812
Support Activities for Mining	611	138	4	753
Administrative & Support Services	0	856	446	1,302
Food Services & Drinking Places	0	305	941	1,246
Wholesalers	0	492	270	761
Real Estate	0	297	455	753
Ambulatory Health Care Services	0	0	705	705
Management of Companies & Enterprises	0	390	77	468
Social Assistance	0	0	470	470
Repair & Maintenance	0	187	219	406
Hospitals	0	0	386	386
Utilities	350	126	46	522
<i>All Other Industries</i>	<i>382</i>	<i>2,347</i>	<i>4,805</i>	<i>7,533</i>
<b>State Total</b>	<b>4,565</b>	<b>7,654</b>	<b>9,422</b>	<b>21,641</b>

Source: IHS Global Insight

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Appendix B – Employment Contributions by State, Industry, and Year

**New York Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,278	1,154	2,431
Real Estate	0	455	1,243	1,698
Administrative & Support Services	0	620	747	1,367
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	363	796	1,159
Food Services & Drinking Places	0	150	872	1,022
Educational Services	0	9	839	848
Social Assistance	0	0	814	814
Wholesalers	0	324	457	781
Ambulatory Health Care Services	0	0	693	693
Hospitals	0	0	627	627
Management of Companies & Enterprises	0	388	201	590
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	77	433	510
Construction	0	346	154	501
Performing Arts, Spectator Sports, & Related Industries	0	121	337	458
Nursing & Residential Care Facilities	0	0	424	424
<i>All Other Industries</i>	82	2,527	5,706	8,315
<b>State Total</b>	<b>82</b>	<b>6,659</b>	<b>15,497</b>	<b>22,238</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	2,230	1,981	4,210
Real Estate	0	845	2,219	3,064
Administrative & Support Services	0	1,004	1,212	2,216
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	642	1,415	2,057
Food Services & Drinking Places	0	281	1,621	1,902
Educational Services	0	17	1,594	1,611
Social Assistance	0	0	1,434	1,434
Wholesalers	0	568	820	1,388
Ambulatory Health Care Services	0	0	1,214	1,214
Hospitals	0	0	1,039	1,039
Management of Companies & Enterprises	0	767	383	1,150
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	125	735	860
Construction	0	573	222	795
Performing Arts, Spectator Sports, & Related Industries	0	229	615	845
Nursing & Residential Care Facilities	0	0	708	708
<i>All Other Industries</i>	188	4,399	10,201	14,788
<b>State Total</b>	<b>188</b>	<b>11,681</b>	<b>27,413</b>	<b>39,282</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	2,569	2,287	4,856
Real Estate	0	1,095	2,807	3,903
Administrative & Support Services	0	1,032	1,218	2,250
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	765	1,620	2,384
Food Services & Drinking Places	0	374	2,150	2,524
Educational Services	0	19	1,750	1,769
Social Assistance	0	0	1,704	1,704
Wholesalers	0	750	1,058	1,808
Ambulatory Health Care Services	0	0	1,578	1,578
Hospitals	0	0	1,112	1,113
Management of Companies & Enterprises	0	933	491	1,424
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	125	799	924
Construction	0	549	232	781
Performing Arts, Spectator Sports, & Related Industries	0	278	740	1,018
Nursing & Residential Care Facilities	0	0	793	793
<i>All Other Industries</i>	498	5,006	12,392	17,896
<b>State Total</b>	<b>498</b>	<b>13,495</b>	<b>32,731</b>	<b>46,724</b>

Source: IHS Global Insight

**North Carolina Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	0	0	0
Professional, Scientific, & Technical Services	0	0	0	0
Food Services & Drinking Places	0	0	0	0
Real Estate	0	0	0	0
Wholesalers	0	0	0	0
Management of Companies & Enterprises	0	0	0	0
Ambulatory Health Care Services	0	0	0	0
Construction	0	0	0	0
Fabricated Metal Product Manufacturing	0	0	0	0
Educational Services	0	0	0	0
Hospitals	0	0	0	0
Social Assistance	0	0	0	0
Nursing & Residential Care Facilities	0	0	0	0
General Merchandise Stores	0	0	0	0
Repair & Maintenance	0	0	0	0
<i>All Other Industries</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<b>State Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	0	0	0
Professional, Scientific, & Technical Services	0	0	0	0
Food Services & Drinking Places	0	0	0	0
Real Estate	0	0	0	0
Wholesalers	0	0	0	0
Management of Companies & Enterprises	0	0	0	0
Ambulatory Health Care Services	0	0	0	0
Construction	0	0	0	0
Fabricated Metal Product Manufacturing	0	0	0	0
Educational Services	0	0	0	0
Hospitals	0	0	0	0
Social Assistance	0	0	0	0
Nursing & Residential Care Facilities	0	0	0	0
General Merchandise Stores	0	0	0	0
Repair & Maintenance	0	0	0	0
<i>All Other Industries</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<b>State Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	0	0	0
Professional, Scientific, & Technical Services	0	0	0	0
Food Services & Drinking Places	0	0	0	0
Real Estate	0	0	0	0
Wholesalers	0	0	0	0
Management of Companies & Enterprises	0	0	0	0
Ambulatory Health Care Services	0	0	0	0
Construction	0	0	0	0
Fabricated Metal Product Manufacturing	0	0	0	0
Educational Services	0	0	0	0
Hospitals	0	0	0	0
Social Assistance	0	0	0	0
Nursing & Residential Care Facilities	0	0	0	0
General Merchandise Stores	0	0	0	0
Repair & Maintenance	0	0	0	0
<i>All Other Industries</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<b>State Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Source: IHS Global Insight

North Dakota Employment Contribution by State and Industry: Unconventional Gas				
(Number of workers)				
2012	Direct	Indirect	Induced	Total
Construction	0	17	7	24
Oil and Gas Extraction	0	9	3	12
Professional, Scientific, & Technical Services	0	19	16	35
Support Activities for Mining	0	21	1	22
Food Services & Drinking Places	0	5	29	34
Administrative & Support Services	0	15	18	32
Wholesalers	0	16	23	39
Utilities	0	5	4	10
Management of Companies & Enterprises	0	9	5	14
Hospitals	0	0	23	23
Insurance Carriers & Related Activities	0	2	12	14
Ambulatory Health Care Services	0	0	15	15
Truck Transportation	0	13	16	28
Religious, Grantmaking, Civic, Professional, & §	0	3	14	17
Social Assistance	0	0	13	13
<i>All Other Industries</i>	<i>0</i>	<i>117</i>	<i>281</i>	<i>399</i>
<b>State Total</b>	<b>0</b>	<b>253</b>	<b>479</b>	<b>732</b>
2020	Direct	Indirect	Induced	Total
Construction	0	38	13	51
Oil and Gas Extraction	0	22	8	30
Professional, Scientific, & Technical Services	0	37	29	66
Support Activities for Mining	0	46	2	47
Food Services & Drinking Places	0	9	52	61
Administrative & Support Services	0	29	35	64
Wholesalers	0	28	42	70
Utilities	0	10	8	18
Management of Companies & Enterprises	0	21	11	32
Hospitals	0	0	41	41
Insurance Carriers & Related Activities	0	4	23	26
Ambulatory Health Care Services	0	0	25	25
Truck Transportation	0	22	28	50
Religious, Grantmaking, Civic, Professional, & §	0	6	24	29
Social Assistance	0	0	25	25
<i>All Other Industries</i>	<i>0</i>	<i>227</i>	<i>528</i>	<i>755</i>
<b>State Total</b>	<b>0</b>	<b>500</b>	<b>892</b>	<b>1,391</b>
2035	Direct	Indirect	Induced	Total
Construction	0	50	19	68
Oil and Gas Extraction	0	34	12	47
Professional, Scientific, & Technical Services	0	48	36	84
Support Activities for Mining	0	63	3	65
Food Services & Drinking Places	0	12	71	83
Administrative & Support Services	0	41	50	91
Wholesalers	0	35	52	87
Utilities	0	14	11	25
Management of Companies & Enterprises	0	30	16	46
Hospitals	0	0	47	47
Insurance Carriers & Related Activities	0	6	35	41
Ambulatory Health Care Services	0	0	31	31
Truck Transportation	0	28	33	61
Religious, Grantmaking, Civic, Professional, & §	0	6	29	36
Social Assistance	0	0	36	36
<i>All Other Industries</i>	<i>0</i>	<i>335</i>	<i>740</i>	<i>1,075</i>
<b>State Total</b>	<b>0</b>	<b>702</b>	<b>1,221</b>	<b>1,923</b>

Source: IHS Global Insight

Ohio Employment Contribution by State and Industry: Unconventional Gas (Number of workers)				
2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	730	638	1,368
Professional, Scientific, & Technical Services	2	777	493	1,272
Food Services & Drinking Places	0	198	866	1,064
Fabricated Metal Product Manufacturing	127	843	117	1,087
Machinery Manufacturing	1,286	213	25	1,525
Primary Metal Manufacturing	294	541	39	873
Wholesalers	0	516	379	894
Ambulatory Health Care Services	0	0	611	611
Management of Companies & Enterprises	0	444	178	622
Real Estate	0	167	399	565
Oil and Gas Extraction	86	18	6	110
Hospitals	0	0	545	545
Construction	19	250	98	367
Nursing & Residential Care Facilities	0	0	383	383
Insurance Carriers & Related Activities	2	51	288	341
<i>All Other Industries</i>	476	2,474	5,700	8,650
<b>State Total</b>	<b>2,292</b>	<b>7,222</b>	<b>10,764</b>	<b>20,279</b>
2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	1,954	1,519	3,473
Professional, Scientific, & Technical Services	161	2,855	1,237	4,253
Food Services & Drinking Places	0	556	2,604	3,161
Fabricated Metal Product Manufacturing	298	1,566	220	2,084
Machinery Manufacturing	2,475	404	50	2,929
Primary Metal Manufacturing	653	960	70	1,682
Wholesalers	0	1,222	944	2,166
Ambulatory Health Care Services	0	0	1,824	1,824
Management of Companies & Enterprises	0	1,247	361	1,608
Real Estate	0	510	1,095	1,606
Oil and Gas Extraction	5,819	84	18	5,920
Hospitals	0	0	1,452	1,452
Construction	1,102	1,503	245	2,850
Nursing & Residential Care Facilities	0	0	992	992
Insurance Carriers & Related Activities	66	191	801	1,058
<i>All Other Industries</i>	2,408	6,341	15,296	24,045
<b>State Total</b>	<b>12,981</b>	<b>19,395</b>	<b>28,727</b>	<b>61,103</b>
2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	4,679	3,120	7,800
Professional, Scientific, & Technical Services	566	7,725	2,596	10,887
Food Services & Drinking Places	0	1,401	6,492	7,893
Fabricated Metal Product Manufacturing	904	2,688	344	3,936
Machinery Manufacturing	5,834	652	77	6,563
Primary Metal Manufacturing	1,122	1,561	99	2,782
Wholesalers	0	2,884	2,056	4,940
Ambulatory Health Care Services	0	1	4,553	4,554
Management of Companies & Enterprises	0	2,800	569	3,368
Real Estate	0	1,286	2,578	3,864
Oil and Gas Extraction	19,047	208	31	19,286
Hospitals	0	0	3,235	3,235
Construction	3,921	4,455	556	8,933
Nursing & Residential Care Facilities	0	0	2,206	2,206
Insurance Carriers & Related Activities	227	508	1,767	2,503
<i>All Other Industries</i>	7,752	14,182	34,518	56,452
<b>State Total</b>	<b>39,374</b>	<b>45,031</b>	<b>64,797</b>	<b>149,202</b>

Source: IHS Global Insight

**Oklahoma Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Construction	3,531	869	133	4,533
Oil and Gas Extraction	3,641	263	74	3,978
Professional, Scientific, & Technical Services	386	2,017	585	2,988
Support Activities for Mining	2,352	135	2	2,489
Administrative & Support Services	0	1,480	748	2,228
Food Services & Drinking Places	0	478	1,646	2,124
Machinery Manufacturing	1,074	143	12	1,229
Wholesalers	0	758	461	1,219
Ambulatory Health Care Services	0	0	1,060	1,060
Real Estate	0	367	634	1,002
Utilities	700	160	68	928
Truck Transportation	440	272	123	835
Insurance Carriers & Related Activities	149	223	363	736
Hospitals	0	0	735	735
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	191	458	649
<i>All Other Industries</i>	502	3,677	7,742	11,921
<b>State Total</b>	<b>12,776</b>	<b>11,033</b>	<b>14,843</b>	<b>38,652</b>

2020	Direct	Indirect	Induced	Total
Construction	6,242	2,639	319	9,201
Oil and Gas Extraction	12,399	676	173	13,248
Professional, Scientific, & Technical Services	895	4,999	1,432	7,325
Support Activities for Mining	5,015	370	5	5,389
Administrative & Support Services	0	3,358	1,773	5,131
Food Services & Drinking Places	0	1,027	4,053	5,080
Machinery Manufacturing	2,119	263	22	2,404
Wholesalers	0	1,651	1,109	2,761
Ambulatory Health Care Services	0	0	2,611	2,612
Real Estate	0	894	1,552	2,446
Utilities	1,501	386	162	2,049
Truck Transportation	1,111	654	332	2,096
Insurance Carriers & Related Activities	373	574	944	1,890
Hospitals	0	0	1,797	1,797
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	472	1,133	1,605
<i>All Other Industries</i>	985	8,274	18,781	28,041
<b>State Total</b>	<b>30,640</b>	<b>26,236</b>	<b>36,200</b>	<b>93,076</b>

2035	Direct	Indirect	Induced	Total
Construction	10,881	4,351	521	15,753
Oil and Gas Extraction	18,762	1,023	261	20,046
Professional, Scientific, & Technical Services	1,531	8,631	2,344	12,506
Support Activities for Mining	8,895	548	7	9,449
Administrative & Support Services	0	5,589	2,849	8,438
Food Services & Drinking Places	0	1,670	6,717	8,387
Machinery Manufacturing	2,491	378	31	2,900
Wholesalers	0	2,603	1,808	4,412
Ambulatory Health Care Services	0	0	4,327	4,328
Real Estate	0	1,512	2,570	4,082
Utilities	2,721	566	256	3,543
Truck Transportation	2,014	1,086	534	3,634
Insurance Carriers & Related Activities	643	1,049	1,554	3,246
Hospitals	0	0	2,954	2,954
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	818	1,880	2,697
<i>All Other Industries</i>	1,137	13,556	30,744	45,437
<b>State Total</b>	<b>49,075</b>	<b>43,380</b>	<b>59,357</b>	<b>151,811</b>

Source: IHS Global Insight

**Oregon Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Real Estate	0	88	238	326
Professional, Scientific, & Technical Services	0	153	131	284
Administrative & Support Services	0	127	144	271
Food Services & Drinking Places	0	36	205	241
Fabricated Metal Product Manufacturing	0	101	17	119
Wholesalers	0	82	105	187
Management of Companies & Enterprises	0	88	45	133
Ambulatory Health Care Services	0	0	127	127
Computer & Electronic Product Manufacturing	0	82	35	117
Primary Metal Manufacturing	25	89	8	121
Crop Production	0	20	90	110
Construction	0	75	32	107
Hospitals	0	0	98	98
Animal Production	0	3	89	92
Social Assistance	0	0	82	82
<i>All Other Industries</i>	2	506	1,402	1,909
<b>State Total</b>	<b>27</b>	<b>1,449</b>	<b>2,848</b>	<b>4,324</b>

2020	Direct	Indirect	Induced	Total
Real Estate	0	176	461	638
Professional, Scientific, & Technical Services	0	279	245	524
Administrative & Support Services	0	249	289	538
Food Services & Drinking Places	0	65	366	430
Fabricated Metal Product Manufacturing	0	191	35	226
Wholesalers	0	142	190	333
Management of Companies & Enterprises	0	182	90	272
Ambulatory Health Care Services	0	0	227	227
Computer & Electronic Product Manufacturing	0	150	69	219
Primary Metal Manufacturing	36	156	16	207
Crop Production	0	40	179	219
Construction	0	157	63	220
Hospitals	0	0	166	166
Animal Production	0	6	172	178
Social Assistance	0	0	148	148
<i>All Other Industries</i>	1	919	2,580	3,500
<b>State Total</b>	<b>37</b>	<b>2,713</b>	<b>5,297</b>	<b>8,046</b>

2035	Direct	Indirect	Induced	Total
Real Estate	0	282	724	1,006
Professional, Scientific, & Technical Services	0	324	297	621
Administrative & Support Services	0	369	425	794
Food Services & Drinking Places	0	84	480	564
Fabricated Metal Product Manufacturing	0	238	44	282
Wholesalers	0	190	255	445
Management of Companies & Enterprises	0	211	112	323
Ambulatory Health Care Services	0	0	295	295
Computer & Electronic Product Manufacturing	0	191	91	281
Primary Metal Manufacturing	42	190	21	253
Crop Production	0	56	247	303
Construction	0	176	83	259
Hospitals	0	0	184	184
Animal Production	0	8	235	243
Social Assistance	0	0	190	190
<i>All Other Industries</i>	0	1,179	3,375	4,555
<b>State Total</b>	<b>43</b>	<b>3,497</b>	<b>7,057</b>	<b>10,597</b>

Source: IHS Global Insight

**Pennsylvania Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Support Activities for Mining	12,320	1,289	7	13,615
Construction	5,564	2,321	291	8,176
Professional, Scientific, & Technical Services	171	4,111	1,361	5,643
Oil and Gas Extraction	4,946	167	34	5,147
Administrative & Support Services	0	2,175	1,372	3,547
Food Services & Drinking Places	0	604	2,534	3,138
Fabricated Metal Product Manufacturing	442	1,369	140	1,950
Wholesalers	0	1,162	939	2,101
Ambulatory Health Care Services	0	0	2,012	2,012
Management of Companies & Enterprises	0	1,424	332	1,756
Real Estate	0	658	1,091	1,749
Primary Metal Manufacturing	334	885	50	1,269
Hospitals	0	0	1,684	1,684
Educational Services	0	15	1,417	1,432
Social Assistance	0	0	1,269	1,269
<i>All Other Industries</i>	<i>1,355</i>	<i>7,622</i>	<i>15,828</i>	<i>24,805</i>
<b>State Total</b>	<b>25,130</b>	<b>23,803</b>	<b>30,361</b>	<b>79,294</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Support Activities for Mining	26,809	962	7	27,778
Construction	9,804	6,777	660	17,242
Professional, Scientific, & Technical Services	512	10,552	3,115	14,179
Oil and Gas Extraction	15,577	490	93	16,160
Administrative & Support Services	0	5,084	3,168	8,252
Food Services & Drinking Places	0	1,426	6,333	7,759
Fabricated Metal Product Manufacturing	929	2,180	248	3,356
Wholesalers	0	2,570	2,193	4,763
Ambulatory Health Care Services	0	1	4,971	4,972
Management of Companies & Enterprises	0	3,584	705	4,289
Real Estate	0	1,663	2,645	4,308
Primary Metal Manufacturing	646	1,634	93	2,373
Hospitals	0	0	4,010	4,010
Educational Services	0	35	3,341	3,376
Social Assistance	0	0	3,049	3,049
<i>All Other Industries</i>	<i>2,395</i>	<i>17,253</i>	<i>37,590</i>	<i>57,238</i>
<b>State Total</b>	<b>56,673</b>	<b>54,210</b>	<b>72,221</b>	<b>183,103</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Support Activities for Mining	55,974	1,641	9	57,625
Construction	20,345	13,386	1,197	34,929
Professional, Scientific, & Technical Services	1,103	20,878	5,477	27,458
Oil and Gas Extraction	29,383	786	131	30,300
Administrative & Support Services	0	9,828	5,710	15,538
Food Services & Drinking Places	0	2,811	12,429	15,239
Fabricated Metal Product Manufacturing	2,636	3,072	320	6,028
Wholesalers	0	4,983	4,117	9,099
Ambulatory Health Care Services	0	1	9,653	9,654
Management of Companies & Enterprises	0	6,424	1,065	7,489
Real Estate	0	3,276	5,068	8,344
Primary Metal Manufacturing	1,179	2,201	110	3,490
Hospitals	0	0	7,505	7,505
Educational Services	0	61	6,009	6,070
Social Assistance	0	0	5,618	5,618
<i>All Other Industries</i>	<i>4,939</i>	<i>31,612</i>	<i>69,563</i>	<i>106,114</i>
<b>State Total</b>	<b>115,560</b>	<b>100,959</b>	<b>133,981</b>	<b>350,500</b>

Source: IHS Global Insight

**Rhode Island Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	0	0	0
Professional, Scientific, & Technical Services	0	0	0	0
Food Services & Drinking Places	0	0	0	0
Educational Services	0	0	0	0
Fabricated Metal Product Manufacturing	0	0	0	0
Real Estate	0	0	0	0
Management of Companies & Enterprises	0	0	0	0
Hospitals	0	0	0	0
Ambulatory Health Care Services	0	0	0	0
Wholesalers	0	0	0	0
Nursing & Residential Care Facilities	0	0	0	0
Social Assistance	0	0	0	0
Insurance Carriers & Related Activities	0	0	0	0
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	0	0	0
Construction	0	0	0	0
<i>All Other Industries</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<b>State Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	0	0	0
Professional, Scientific, & Technical Services	0	0	0	0
Food Services & Drinking Places	0	0	0	0
Educational Services	0	0	0	0
Fabricated Metal Product Manufacturing	0	0	0	0
Real Estate	0	0	0	0
Management of Companies & Enterprises	0	0	0	0
Hospitals	0	0	0	0
Ambulatory Health Care Services	0	0	0	0
Wholesalers	0	0	0	0
Nursing & Residential Care Facilities	0	0	0	0
Social Assistance	0	0	0	0
Insurance Carriers & Related Activities	0	0	0	0
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	0	0	0
Construction	0	0	0	0
<i>All Other Industries</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<b>State Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	0	0	0
Professional, Scientific, & Technical Services	0	0	0	0
Food Services & Drinking Places	0	0	0	0
Educational Services	0	0	0	0
Fabricated Metal Product Manufacturing	0	0	0	0
Real Estate	0	0	0	0
Management of Companies & Enterprises	0	0	0	0
Hospitals	0	0	0	0
Ambulatory Health Care Services	0	0	0	0
Wholesalers	0	0	0	0
Nursing & Residential Care Facilities	0	0	0	0
Social Assistance	0	0	0	0
Insurance Carriers & Related Activities	0	0	0	0
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	0	0	0
Construction	0	0	0	0
<i>All Other Industries</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<b>State Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Source: IHS Global Insight

**South Carolina Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Administrative & Support Services	0	190	236	426
Professional, Scientific, & Technical Services	0	163	133	296
Fabricated Metal Product Manufacturing	0	264	30	294
Food Services & Drinking Places	0	42	246	288
Real Estate	0	51	140	192
Wholesalers	0	63	90	153
Ambulatory Health Care Services	0	0	118	118
Construction	0	80	28	108
Accommodation	0	33	66	99
Plastics & Rubber Products Manufacturing	0	54	36	89
Transportation Equipment Manufacturing	0	37	52	89
Chemical Manufacturing	0	39	46	85
General Merchandise Stores	0	3	79	82
Educational Services	0	1	74	75
Repair & Maintenance	0	27	53	80
<i>All Other Industries</i>	1	609	1,499	2,108
<b>State Total</b>	<b>1</b>	<b>1,655</b>	<b>2,926</b>	<b>4,582</b>

2020	Direct	Indirect	Induced	Total
Administrative & Support Services	0	357	445	802
Professional, Scientific, & Technical Services	0	312	247	559
Fabricated Metal Product Manufacturing	0	472	55	527
Food Services & Drinking Places	0	78	456	534
Real Estate	0	96	252	348
Wholesalers	0	113	166	280
Ambulatory Health Care Services	0	0	221	221
Construction	0	195	55	250
Accommodation	0	57	121	178
Plastics & Rubber Products Manufacturing	0	93	62	155
Transportation Equipment Manufacturing	0	60	88	149
Chemical Manufacturing	0	71	89	160
General Merchandise Stores	0	6	143	149
Educational Services	0	1	141	142
Repair & Maintenance	0	52	100	151
<i>All Other Industries</i>	2	1,097	2,747	3,846
<b>State Total</b>	<b>2</b>	<b>3,060</b>	<b>5,389</b>	<b>8,452</b>

2035	Direct	Indirect	Induced	Total
Administrative & Support Services	0	480	590	1,070
Professional, Scientific, & Technical Services	0	433	337	770
Fabricated Metal Product Manufacturing	0	662	82	744
Food Services & Drinking Places	0	103	608	712
Real Estate	0	122	314	435
Wholesalers	0	144	211	355
Ambulatory Health Care Services	0	0	292	292
Construction	0	233	70	303
Accommodation	0	69	148	217
Plastics & Rubber Products Manufacturing	0	121	77	198
Transportation Equipment Manufacturing	0	69	107	175
Chemical Manufacturing	0	97	125	223
General Merchandise Stores	0	7	183	190
Educational Services	0	2	172	173
Repair & Maintenance	0	71	140	211
<i>All Other Industries</i>	2	1,496	3,651	5,148
<b>State Total</b>	<b>2</b>	<b>4,107</b>	<b>7,107</b>	<b>11,216</b>

Source: IHS Global Insight

**South Dakota Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Crop Production	0	11	49	60
Food Services & Drinking Places	0	7	42	49
Administrative & Support Services	0	21	24	45
Professional, Scientific, & Technical Services	0	23	20	42
Wholesalers	0	19	27	45
Hospitals	0	0	38	38
Animal Production	0	1	32	33
Real Estate	0	8	21	28
Construction	0	21	8	29
Ambulatory Health Care Services	0	0	27	27
Accommodation	0	9	18	27
Nursing & Residential Care Facilities	0	0	25	25
Fabricated Metal Product Manufacturing	0	21	4	25
Credit Intermediation & Related Activities	0	6	16	22
Food Manufacturing	0	1	21	22
<i>All Other Industries</i>	3	139	335	477
<b>State Total</b>	<b>3</b>	<b>287</b>	<b>706</b>	<b>996</b>

2020	Direct	Indirect	Induced	Total
Crop Production	0	20	92	113
Food Services & Drinking Places	0	13	74	86
Administrative & Support Services	0	39	45	85
Professional, Scientific, & Technical Services	0	43	36	79
Wholesalers	0	33	48	81
Hospitals	0	0	69	69
Animal Production	0	2	60	62
Real Estate	0	14	36	50
Construction	0	44	14	58
Ambulatory Health Care Services	0	0	49	49
Accommodation	0	16	36	51
Nursing & Residential Care Facilities	0	0	45	45
Fabricated Metal Product Manufacturing	0	37	7	44
Credit Intermediation & Related Activities	0	10	29	40
Food Manufacturing	0	1	40	41
<i>All Other Industries</i>	2	249	619	870
<b>State Total</b>	<b>2</b>	<b>521</b>	<b>1,298</b>	<b>1,821</b>

2035	Direct	Indirect	Induced	Total
Crop Production	0	27	118	144
Food Services & Drinking Places	0	16	92	108
Administrative & Support Services	0	58	66	124
Professional, Scientific, & Technical Services	0	60	48	108
Wholesalers	0	40	59	99
Hospitals	0	0	78	78
Animal Production	0	3	78	80
Real Estate	0	16	42	59
Construction	0	46	17	63
Ambulatory Health Care Services	0	0	62	62
Accommodation	0	19	49	68
Nursing & Residential Care Facilities	0	0	53	53
Fabricated Metal Product Manufacturing	0	43	8	51
Credit Intermediation & Related Activities	0	13	35	48
Food Manufacturing	0	1	54	55
<i>All Other Industries</i>	2	299	793	1,094
<b>State Total</b>	<b>2</b>	<b>642</b>	<b>1,652</b>	<b>2,296</b>

Source: IHS Global Insight

**Tennessee Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	277	334	611
Professional, Scientific, & Technical Services	0	217	183	400
Food Services & Drinking Places	0	56	323	380
Wholesalers	0	113	155	268
Fabricated Metal Product Manufacturing	24	202	38	264
Ambulatory Health Care Services	0	0	218	218
Real Estate	0	57	154	211
Truck Transportation	0	92	108	200
Hospitals	0	0	191	191
Transportation Equipment Manufacturing	0	75	105	179
Construction	0	125	44	168
Management of Companies & Enterprises	0	90	47	137
Postal Service	0	50	85	135
Animal Production	0	5	131	136
General Merchandise Stores	0	4	115	119
<i>All Other Industries</i>	9	932	2,274	3,215
<b>State Total</b>	<b>33</b>	<b>2,294</b>	<b>4,507</b>	<b>6,833</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	504	611	1,115
Professional, Scientific, & Technical Services	0	403	326	729
Food Services & Drinking Places	0	102	586	688
Wholesalers	0	199	284	483
Fabricated Metal Product Manufacturing	29	322	67	418
Ambulatory Health Care Services	0	0	388	388
Real Estate	0	108	283	391
Truck Transportation	0	158	195	353
Hospitals	0	0	343	343
Transportation Equipment Manufacturing	0	157	213	370
Construction	0	257	78	335
Management of Companies & Enterprises	0	172	86	258
Postal Service	0	75	128	204
Animal Production	0	9	246	255
General Merchandise Stores	0	8	204	213
<i>All Other Industries</i>	10	1,714	4,187	5,912
<b>State Total</b>	<b>39</b>	<b>4,188</b>	<b>8,226</b>	<b>12,453</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Administrative & Support Services	0	661	792	1,453
Professional, Scientific, & Technical Services	0	515	403	918
Food Services & Drinking Places	0	130	758	888
Wholesalers	0	254	364	617
Fabricated Metal Product Manufacturing	17	425	90	531
Ambulatory Health Care Services	0	0	474	475
Real Estate	0	146	374	519
Truck Transportation	0	207	244	451
Hospitals	0	0	389	389
Transportation Equipment Manufacturing	0	230	314	544
Construction	0	305	103	409
Management of Companies & Enterprises	0	227	122	349
Postal Service	0	71	123	195
Animal Production	0	12	336	347
General Merchandise Stores	0	10	253	263
<i>All Other Industries</i>	16	2,362	5,588	7,966
<b>State Total</b>	<b>32</b>	<b>5,554</b>	<b>10,726</b>	<b>16,313</b>

Source: IHS Global Insight

**Texas Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Oil and Gas Extraction	12,159	1,358	373	13,891
Construction	10,404	5,177	979	16,560
Professional, Scientific, & Technical Services	981	12,957	4,446	18,384
Administrative & Support Services	0	9,490	5,633	15,123
Food Services & Drinking Places	0	2,814	11,560	14,374
Support Activities for Mining	7,308	895	15	8,218
Wholesalers	0	5,578	3,646	9,224
Machinery Manufacturing	8,781	729	40	9,550
Real Estate	0	2,954	5,385	8,339
Ambulatory Health Care Services	0	1	7,924	7,924
Mining (except Oil & Gas)	7,424	304	26	7,754
Fabricated Metal Product Manufacturing	2,257	3,108	214	5,578
Truck Transportation	1,894	2,088	1,080	5,062
Insurance Carriers & Related Activities	520	1,053	2,758	4,331
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	1,138	2,780	3,918
<i>All Other Industries</i>	<i>4,866</i>	<i>23,176</i>	<i>60,153</i>	<i>88,195</i>
<b>State Total</b>	<b>56,594</b>	<b>72,819</b>	<b>107,013</b>	<b>236,425</b>

2020	Direct	Indirect	Induced	Total
Oil and Gas Extraction	24,199	2,723	718	27,640
Construction	18,934	10,373	1,865	31,172
Professional, Scientific, & Technical Services	2,519	26,481	8,693	37,693
Administrative & Support Services	0	18,421	10,882	29,303
Food Services & Drinking Places	0	5,354	22,296	27,650
Support Activities for Mining	14,701	1,874	30	16,604
Wholesalers	0	10,524	7,046	17,570
Machinery Manufacturing	14,986	1,438	78	16,502
Real Estate	0	5,829	10,428	16,257
Ambulatory Health Care Services	0	1	15,339	15,340
Mining (except Oil & Gas)	12,381	589	50	13,020
Fabricated Metal Product Manufacturing	4,396	5,807	405	10,608
Truck Transportation	4,359	4,516	2,379	11,254
Insurance Carriers & Related Activities	1,152	2,292	5,684	9,128
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	2,227	5,342	7,569
<i>All Other Industries</i>	<i>9,464</i>	<i>44,618</i>	<i>115,936</i>	<i>170,018</i>
<b>State Total</b>	<b>107,091</b>	<b>143,067</b>	<b>207,169</b>	<b>457,327</b>

2035	Direct	Indirect	Induced	Total
Oil and Gas Extraction	17,869	2,808	803	21,480
Construction	13,986	9,005	1,823	24,814
Professional, Scientific, & Technical Services	1,905	24,226	8,749	34,880
Administrative & Support Services	0	17,686	10,882	28,567
Food Services & Drinking Places	0	5,231	21,192	26,423
Support Activities for Mining	10,607	1,744	37	12,388
Wholesalers	0	10,547	6,944	17,491
Machinery Manufacturing	14,780	1,593	90	16,463
Real Estate	0	5,483	10,236	15,719
Ambulatory Health Care Services	0	1	14,601	14,602
Mining (except Oil & Gas)	11,623	683	65	12,371
Fabricated Metal Product Manufacturing	4,203	6,085	439	10,726
Truck Transportation	3,039	4,474	2,397	9,910
Insurance Carriers & Related Activities	868	2,025	5,434	8,326
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	1,937	4,938	6,874
<i>All Other Industries</i>	<i>8,304</i>	<i>43,122</i>	<i>110,860</i>	<i>162,286</i>
<b>State Total</b>	<b>87,184</b>	<b>136,648</b>	<b>199,488</b>	<b>423,319</b>

Source: IHS Global Insight

**Utah Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	308	3,317	973	4,599
Construction	2,075	2,519	223	4,817
Administrative & Support Services	0	1,620	1,092	2,712
Food Services & Drinking Places	0	455	2,312	2,768
Oil and Gas Extraction	2,826	6	1	2,833
Real Estate	0	923	1,588	2,511
Ambulatory Health Care Services	0	0	1,758	1,758
Support Activities for Mining	1,576	93	1	1,671
Wholesalers	0	693	740	1,432
Fabricated Metal Product Manufacturing	676	255	24	955
Management of Companies & Enterprises	0	1,150	163	1,313
Utilities	1,015	164	75	1,255
Educational Services	0	9	1,028	1,037
Hospitals	0	0	980	980
Insurance Carriers & Related Activities	163	271	517	951
<i>All Other Industries</i>	<i>708</i>	<i>4,364</i>	<i>12,264</i>	<i>17,336</i>
<b>State Total</b>	<b>9,348</b>	<b>15,838</b>	<b>23,740</b>	<b>48,926</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	288	2,964	947	4,199
Construction	1,393	2,259	211	3,862
Administrative & Support Services	0	1,418	1,038	2,456
Food Services & Drinking Places	0	386	2,019	2,404
Oil and Gas Extraction	2,419	26	8	2,453
Real Estate	0	803	1,422	2,224
Ambulatory Health Care Services	0	0	1,549	1,549
Support Activities for Mining	1,119	129	2	1,251
Wholesalers	0	597	677	1,274
Fabricated Metal Product Manufacturing	525	280	33	837
Management of Companies & Enterprises	0	1,022	163	1,185
Utilities	575	145	69	789
Educational Services	0	8	921	929
Hospitals	0	0	868	868
Insurance Carriers & Related Activities	95	201	485	781
<i>All Other Industries</i>	<i>498</i>	<i>4,028</i>	<i>11,336</i>	<i>15,863</i>
<b>State Total</b>	<b>6,913</b>	<b>14,265</b>	<b>21,745</b>	<b>42,923</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Professional, Scientific, & Technical Services	109	1,602	667	2,377
Construction	685	984	140	1,809
Administrative & Support Services	0	907	743	1,650
Food Services & Drinking Places	0	221	1,047	1,268
Oil and Gas Extraction	759	25	8	792
Real Estate	0	427	804	1,231
Ambulatory Health Care Services	0	0	852	852
Support Activities for Mining	650	134	3	787
Wholesalers	0	379	411	790
Fabricated Metal Product Manufacturing	343	197	24	564
Management of Companies & Enterprises	0	504	113	618
Utilities	379	75	39	494
Educational Services	0	5	508	512
Hospitals	0	0	463	463
Insurance Carriers & Related Activities	47	107	261	415
<i>All Other Industries</i>	<i>357</i>	<i>2,630</i>	<i>6,924</i>	<i>9,912</i>
<b>State Total</b>	<b>3,329</b>	<b>8,196</b>	<b>13,008</b>	<b>24,533</b>

Source: IHS Global Insight

**Vermont Employment Contribution by State and Industry: Unconventional Gas**  
(Number of workers)

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	0	0	0
Accommodation	0	0	0	0
Administrative & Support Services	0	0	0	0
Food Services & Drinking Places	0	0	0	0
Ambulatory Health Care Services	0	0	0	0
Educational Services	0	0	0	0
Social Assistance	0	0	0	0
Real Estate	0	0	0	0
Hospitals	0	0	0	0
Wholesalers	0	0	0	0
Construction	0	0	0	0
Computer & Electronic Product Manufacturing	0	0	0	0
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	0	0	0
Food & Beverage Stores	0	0	0	0
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	0	0	0
<i>All Other Industries</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<b>State Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	0	0	0
Accommodation	0	0	0	0
Administrative & Support Services	0	0	0	0
Food Services & Drinking Places	0	0	0	0
Ambulatory Health Care Services	0	0	0	0
Educational Services	0	0	0	0
Social Assistance	0	0	0	0
Real Estate	0	0	0	0
Hospitals	0	0	0	0
Wholesalers	0	0	0	0
Construction	0	0	0	0
Computer & Electronic Product Manufacturing	0	0	0	0
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	0	0	0
Food & Beverage Stores	0	0	0	0
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	0	0	0
<i>All Other Industries</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<b>State Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	0	0	0
Accommodation	0	0	0	0
Administrative & Support Services	0	0	0	0
Food Services & Drinking Places	0	0	0	0
Ambulatory Health Care Services	0	0	0	0
Educational Services	0	0	0	0
Social Assistance	0	0	0	0
Real Estate	0	0	0	0
Hospitals	0	0	0	0
Wholesalers	0	0	0	0
Construction	0	0	0	0
Computer & Electronic Product Manufacturing	0	0	0	0
Securities, Commodity Contracts, & Other Financial Investments & Related Activities	0	0	0	0
Food & Beverage Stores	0	0	0	0
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	0	0	0
<i>All Other Industries</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<b>State Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Source: IHS Global Insight

**Virginia Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	778	564	1,342
Administrative & Support Services	0	304	347	651
Food Services & Drinking Places	0	77	420	497
Real Estate	0	120	320	441
Management of Companies & Enterprises	0	229	110	339
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	51	243	294
Construction	0	201	81	282
Ambulatory Health Care Services	0	0	266	266
Wholesalers	0	124	156	280
Educational Services	0	2	195	198
Hospitals	0	0	190	190
Social Assistance	0	0	164	164
Repair & Maintenance	0	55	108	163
Accommodation	0	53	104	157
General Merchandise Stores	0	5	134	139
<i>All Other Industries</i>	114	1,219	2,536	3,870
<b>State Total</b>	<b>114</b>	<b>3,221</b>	<b>5,937</b>	<b>9,272</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	1,501	1,042	2,544
Administrative & Support Services	0	564	644	1,208
Food Services & Drinking Places	0	146	776	922
Real Estate	0	235	600	835
Management of Companies & Enterprises	0	491	229	719
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	87	417	504
Construction	0	407	142	549
Ambulatory Health Care Services	0	0	500	500
Wholesalers	0	219	273	492
Educational Services	0	4	357	361
Hospitals	0	0	329	329
Social Assistance	0	0	337	337
Repair & Maintenance	0	99	196	296
Accommodation	0	93	189	282
General Merchandise Stores	0	10	241	250
<i>All Other Industries</i>	235	2,160	4,670	7,065
<b>State Total</b>	<b>235</b>	<b>6,016</b>	<b>10,942</b>	<b>17,193</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	2,098	1,384	3,482
Administrative & Support Services	0	833	879	1,712
Food Services & Drinking Places	0	222	1,100	1,322
Real Estate	0	339	828	1,168
Management of Companies & Enterprises	0	819	389	1,208
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	112	525	637
Construction	0	495	184	680
Ambulatory Health Care Services	0	0	692	692
Wholesalers	0	346	376	722
Educational Services	0	6	495	501
Hospitals	0	0	406	406
Social Assistance	0	0	498	498
Repair & Maintenance	0	150	278	428
Accommodation	0	118	247	365
General Merchandise Stores	0	13	332	344
<i>All Other Industries</i>	578	2,752	6,240	9,570
<b>State Total</b>	<b>578</b>	<b>8,303</b>	<b>14,853</b>	<b>23,733</b>

Source: IHS Global Insight

**Washington Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	351	269	620
Administrative & Support Services	0	180	221	402
Real Estate	0	96	263	359
Food Services & Drinking Places	0	53	312	366
Wholesalers	0	121	173	294
Ambulatory Health Care Services	0	0	228	228
Construction	0	153	64	218
Social Assistance	0	0	156	156
Crop Production	0	27	121	149
Management of Companies & Enterprises	0	94	49	142
Fabricated Metal Product Manufacturing	0	125	20	145
Hospitals	0	0	138	138
Amusement, Gambling, & Recreation Industries	0	5	124	129
Educational Services	0	1	114	115
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	18	101	119
<i>All Other Industries</i>	0	844	2,182	3,026
<b>State Total</b>	<b>0</b>	<b>2,068</b>	<b>4,537</b>	<b>6,606</b>

2020	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	701	526	1,227
Administrative & Support Services	0	325	401	726
Real Estate	0	181	475	656
Food Services & Drinking Places	0	96	559	655
Wholesalers	0	213	313	526
Ambulatory Health Care Services	0	0	404	404
Construction	0	318	115	433
Social Assistance	0	0	262	262
Crop Production	0	55	248	303
Management of Companies & Enterprises	0	195	98	293
Fabricated Metal Product Manufacturing	0	205	35	240
Hospitals	0	0	274	274
Amusement, Gambling, & Recreation Industries	0	10	259	269
Educational Services	0	3	220	223
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	30	185	216
<i>All Other Industries</i>	0	1,503	3,989	5,492
<b>State Total</b>	<b>0</b>	<b>3,835</b>	<b>8,365</b>	<b>12,199</b>

2035	Direct	Indirect	Induced	Total
Professional, Scientific, & Technical Services	0	804	602	1,407
Administrative & Support Services	0	411	503	914
Real Estate	0	232	598	831
Food Services & Drinking Places	0	120	705	825
Wholesalers	0	268	394	661
Ambulatory Health Care Services	0	0	489	489
Construction	0	343	134	478
Social Assistance	0	0	290	290
Crop Production	0	77	341	418
Management of Companies & Enterprises	0	253	137	390
Fabricated Metal Product Manufacturing	0	381	66	447
Hospitals	0	0	357	357
Amusement, Gambling, & Recreation Industries	0	13	337	350
Educational Services	0	3	265	268
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	33	231	264
<i>All Other Industries</i>	0	2,099	5,179	7,278
<b>State Total</b>	<b>0</b>	<b>5,039</b>	<b>10,628</b>	<b>15,666</b>

Source: IHS Global Insight

**West Virginia Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Oil and Gas Extraction	1,842	47	11	1,900
Construction	592	334	35	960
Support Activities for Mining	565	176	3	744
Professional, Scientific, & Technical Services	58	453	116	627
Food Services & Drinking Places	0	74	367	441
Administrative & Support Services	0	208	124	332
Mining (except Oil & Gas)	0	161	40	201
Ambulatory Health Care Services	0	0	279	279
Utilities	237	61	22	320
Hospitals	0	0	239	239
Wholesalers	0	128	102	231
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	53	134	187
Truck Transportation	129	48	29	207
Real Estate	0	61	117	179
Chemical Manufacturing	135	22	18	174
<i>All Other Industries</i>	56	833	1,907	2,796
<b>State Total</b>	<b>3,615</b>	<b>2,659</b>	<b>3,543</b>	<b>9,817</b>
2020	Direct	Indirect	Induced	Total
Oil and Gas Extraction	6,453	131	27	6,612
Construction	1,260	1,084	83	2,428
Support Activities for Mining	1,251	356	5	1,612
Professional, Scientific, & Technical Services	176	1,286	301	1,763
Food Services & Drinking Places	0	178	978	1,156
Administrative & Support Services	0	518	309	827
Mining (except Oil & Gas)	0	284	69	353
Ambulatory Health Care Services	0	0	750	750
Utilities	399	161	56	616
Hospitals	0	0	620	620
Wholesalers	0	317	261	577
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	142	331	473
Truck Transportation	256	121	78	455
Real Estate	0	161	309	470
Chemical Manufacturing	282	44	35	361
<i>All Other Industries</i>	96	1,943	4,907	6,946
<b>State Total</b>	<b>10,172</b>	<b>6,727</b>	<b>9,119</b>	<b>26,018</b>
2035	Direct	Indirect	Induced	Total
Oil and Gas Extraction	12,937	230	40	13,207
Construction	2,791	2,359	168	5,318
Support Activities for Mining	2,788	508	5	3,302
Professional, Scientific, & Technical Services	406	2,874	597	3,878
Food Services & Drinking Places	0	398	2,102	2,500
Administrative & Support Services	0	1,142	618	1,759
Mining (except Oil & Gas)	0	362	87	449
Ambulatory Health Care Services	0	0	1,622	1,623
Utilities	923	364	113	1,400
Hospitals	0	0	1,286	1,286
Wholesalers	0	711	543	1,255
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	306	666	971
Truck Transportation	592	266	145	1,003
Real Estate	0	355	667	1,022
Chemical Manufacturing	699	74	47	820
<i>All Other Industries</i>	204	4,032	10,191	14,428
<b>State Total</b>	<b>21,341</b>	<b>13,982</b>	<b>18,897</b>	<b>54,219</b>

Source: IHS Global Insight

**Wisconsin Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

2012	Direct	Indirect	Induced	Total
Mining (except Oil & Gas)	160	15	2	177
Fabricated Metal Product Manufacturing	0	510	86	596
Administrative & Support Services	0	216	260	476
Food Services & Drinking Places	0	55	308	362
Professional, Scientific, & Technical Services	0	197	163	360
Wholesalers	0	119	164	282
Machinery Manufacturing	29	173	24	226
Ambulatory Health Care Services	0	0	202	202
Management of Companies & Enterprises	0	153	77	230
Hospitals	0	0	203	203
Real Estate	0	49	134	183
Primary Metal Manufacturing	0	220	18	238
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	37	171	208
Insurance Carriers & Related Activities	0	27	165	193
Social Assistance	0	0	164	164
<i>All Other Industries</i>	<i>0</i>	<i>1,129</i>	<i>2,671</i>	<i>3,799</i>
<b>State Total</b>	<b>190</b>	<b>2,900</b>	<b>4,812</b>	<b>7,901</b>

2020	Direct	Indirect	Induced	Total
Mining (except Oil & Gas)	304	23	3	330
Fabricated Metal Product Manufacturing	0	883	157	1,040
Administrative & Support Services	0	385	468	853
Food Services & Drinking Places	0	99	560	659
Professional, Scientific, & Technical Services	0	380	311	691
Wholesalers	0	212	300	512
Machinery Manufacturing	49	293	42	384
Ambulatory Health Care Services	0	0	377	377
Management of Companies & Enterprises	0	334	164	498
Hospitals	0	0	356	356
Real Estate	0	90	241	332
Primary Metal Manufacturing	0	342	31	373
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	64	311	375
Insurance Carriers & Related Activities	0	49	290	339
Social Assistance	0	0	281	281
<i>All Other Industries</i>	<i>0</i>	<i>2,072</i>	<i>4,855</i>	<i>6,927</i>
<b>State Total</b>	<b>353</b>	<b>5,227</b>	<b>8,748</b>	<b>14,328</b>

2035	Direct	Indirect	Induced	Total
Mining (except Oil & Gas)	537	30	3	570
Fabricated Metal Product Manufacturing	0	1,165	205	1,370
Administrative & Support Services	0	502	590	1,092
Food Services & Drinking Places	0	144	792	935
Professional, Scientific, & Technical Services	0	514	411	925
Wholesalers	0	296	406	701
Machinery Manufacturing	109	378	55	541
Ambulatory Health Care Services	0	0	527	527
Management of Companies & Enterprises	0	509	264	774
Hospitals	0	0	423	423
Real Estate	0	120	315	436
Primary Metal Manufacturing	0	406	38	444
Religious, Grantmaking, Civic, Professional, & Similar Organizations	0	81	413	495
Insurance Carriers & Related Activities	0	66	381	447
Social Assistance	0	0	329	329
<i>All Other Industries</i>	<i>0</i>	<i>2,699</i>	<i>6,400</i>	<i>9,098</i>
<b>State Total</b>	<b>646</b>	<b>6,911</b>	<b>11,552</b>	<b>19,108</b>

Source: IHS Global Insight

**Wyoming Employment Contribution by State and Industry: Unconventional Gas  
(Number of workers)**

<b>2012</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Oil and Gas Extraction	3,627	45	14	3,687
Construction	970	913	59	1,941
Professional, Scientific, & Technical Services	157	762	153	1,072
Fabricated Metal Product Manufacturing	375	15	2	391
Support Activities for Mining	772	92	1	866
Food Services & Drinking Places	0	110	622	731
Utilities	422	99	34	555
Administrative & Support Services	0	328	154	482
Real Estate	0	159	278	437
Wholesalers	0	208	166	375
Ambulatory Health Care Services	0	0	361	361
Truck Transportation	202	72	40	314
Chemical Manufacturing	136	12	4	152
Social Assistance	0	0	300	300
General Merchandise Stores	0	28	211	239
<i>All Other Industries</i>	<i>80</i>	<i>1,147</i>	<i>2,677</i>	<i>3,904</i>
<b>State Total</b>	<b>6,742</b>	<b>3,990</b>	<b>5,073</b>	<b>15,806</b>

<b>2020</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Oil and Gas Extraction	5,510	99	32	5,641
Construction	786	1,369	81	2,236
Professional, Scientific, & Technical Services	175	1,011	215	1,400
Fabricated Metal Product Manufacturing	253	21	3	276
Support Activities for Mining	653	167	2	822
Food Services & Drinking Places	0	126	847	973
Utilities	271	133	47	451
Administrative & Support Services	0	398	214	611
Real Estate	0	205	380	584
Wholesalers	0	246	229	475
Ambulatory Health Care Services	0	0	488	488
Truck Transportation	152	88	63	303
Chemical Manufacturing	134	18	6	159
Social Assistance	0	0	410	410
General Merchandise Stores	0	37	285	322
<i>All Other Industries</i>	<i>55</i>	<i>1,492</i>	<i>3,719</i>	<i>5,266</i>
<b>State Total</b>	<b>7,989</b>	<b>5,409</b>	<b>7,020</b>	<b>20,419</b>

<b>2035</b>	<b>Direct</b>	<b>Indirect</b>	<b>Induced</b>	<b>Total</b>
Oil and Gas Extraction	2,402	135	47	2,584
Construction	827	717	57	1,601
Professional, Scientific, & Technical Services	143	704	151	998
Fabricated Metal Product Manufacturing	140	24	3	168
Support Activities for Mining	761	144	3	909
Food Services & Drinking Places	0	106	550	655
Utilities	316	95	34	445
Administrative & Support Services	0	303	150	454
Real Estate	0	146	260	406
Wholesalers	0	190	158	349
Ambulatory Health Care Services	0	0	313	313
Truck Transportation	178	83	47	308
Chemical Manufacturing	143	18	6	167
Social Assistance	0	0	268	268
General Merchandise Stores	0	23	177	200
<i>All Other Industries</i>	<i>64</i>	<i>1,231</i>	<i>2,575</i>	<i>3,870</i>
<b>State Total</b>	<b>4,973</b>	<b>3,920</b>	<b>4,800</b>	<b>13,693</b>

Source: IHS Global Insight