



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

Volume 2 – State Economic Contributions

Appendix A. Economic Contributions by State and Year

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Appendix A. Economic Contributions by State and Year

Appendix A presents six different types of detailed tables by state in the reference years over the forecast horizon (2012, 2015, 2020, 2025, 2030 and 2035). Results for the following four concepts are presented:

- 1) Employment Contribution
- 2) Value Added Contribution
- 3) Labor Income Contribution
- 4) Government Revenue and Private Lease Payments

Employment and value added contribution results are presented twice:

- 1) Alphabetical by State
- 2) Ranked by Total Contribution (where total contribution is the sum of direct, indirect, and induced concepts)

Labor income and government revenue results are presented alphabetically by state only.

The three contribution concepts (employment, value added, and labor income) are split out into direct, indirect and induced contributions with a separate table for each of the forecast years.

Each of the detailed tables is presented separately for total unconventional oil and gas activity, unconventional oil activity, and unconventional gas activity.

A summary description of the tables is as follows:

1 – Employment Contribution: Alphabetical by State. These tables present the direct, indirect, induced, and total employment contributions for 2012, 2015, 2020, 2025, 2030, and 2035 alphabetically by state.

2 – Employment Contribution by State: Ranked by Total Contribution. These tables present the direct, indirect, induced, and total employment contributions for 2012, 2015, 2020, 2025, 2030, and 2035 ranked by the total contribution for each of the years.

3 – Value Added Contribution: Alphabetical by State. These tables present the direct, indirect, induced, and total value added contributions for 2012, 2015, 2020, 2025, 2030, and 2035 alphabetically by state.

4 – Value Added Contribution by State: Ranked by Total Contribution. These tables present the direct, indirect, induced, and total value added contributions for 2012, 2015, 2020, 2025, 2030, and 2035 ranked by the total contribution for each of the years.

5 – Labor Income Contribution: Alphabetical by State. These tables present the direct, indirect, induced, and total value added contributions for 2012, 2015, 2020, 2025, 2030, and 2035 alphabetically by state.

6 – Government Revenue and Private Lease Payments by State. These tables present detailed government revenue information for 2012, 2015, 2020, 2025, 2030, and 2035 alphabetically by state.

TOTAL UNCONVENTIONAL OIL AND GAS ACTIVITY

Unconventional Oil and Gas Employment Contribution: Alphabetical by State

US State-Level Employment Contribution of Unconventional Oil and Gas: 2012				
(Number of workers)				
	Direct	Indirect	Induced	Total
Alabama	7	3,303	5,753	9,064
Arizona	1	3,761	7,936	11,698
Arkansas	11,933	8,661	12,506	33,100
California	6,480	33,337	56,737	96,553
Colorado	23,737	21,555	32,329	77,622
Connecticut	0	2,661	5,601	8,262
Delaware	67	651	1,476	2,195
Florida	208	10,603	25,721	36,532
Georgia	0	6,017	12,487	18,505
Idaho	4	951	2,097	3,052
Illinois	3,421	12,563	22,668	38,652
Indiana	141	6,114	9,718	15,973
Iowa	536	2,704	5,510	8,751
Kansas	2,070	3,196	5,765	11,032
Kentucky	81	3,455	6,078	9,614
Louisiana	24,314	25,511	29,142	78,968
Maine	0	766	2,003	2,769
Maryland	2	3,750	7,997	11,749
Massachusetts	24	5,048	10,824	15,896
Michigan	8,017	10,551	19,280	37,848
Minnesota	2,327	5,518	11,258	19,103
Mississippi	0	1,601	3,481	5,082
Missouri	12,404	8,574	16,739	37,716
Montana	2,615	2,687	4,332	9,634
Nebraska	581	2,030	3,650	6,261
Nevada	29	2,248	4,019	6,295
New Hampshire	7	1,019	2,044	3,070
New Jersey	195	6,251	13,308	19,753
New Mexico	7,117	7,690	8,818	23,625
New York	94	13,144	31,191	44,429
North Carolina	0	5,949	12,716	18,665
North Dakota	19,746	24,099	27,978	71,824
Ohio	4,210	13,601	21,020	38,830
Oklahoma	21,137	18,821	25,367	65,325
Oregon	195	2,928	5,789	8,912
Pennsylvania	25,628	33,219	43,821	102,668
Rhode Island	0	703	1,554	2,257
South Carolina	3	3,266	5,861	9,131
South Dakota	19	575	1,419	2,013
Tennessee	36	4,484	8,997	13,516
Texas	159,474	171,204	245,406	576,084
Utah	10,123	17,762	26,536	54,421
Vermont	0	407	1,050	1,458
Virginia	128	6,167	11,732	18,028
Washington	20	4,088	9,109	13,217
West Virginia	3,631	3,492	4,761	11,884
Wisconsin	2,280	6,360	11,120	19,760
Wyoming	7,416	4,646	5,772	17,834
US Total	360,460	537,690	850,480	1,748,630

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Oil and Gas: 2015				
(Number of workers)				
	Direct	Indirect	Induced	Total
Alabama	10	4,744	8,312	13,066
Arizona	1	5,464	11,640	17,105
Arkansas	17,369	13,073	18,522	48,964
California	7,958	46,565	80,288	134,811
Colorado	29,905	28,841	44,064	102,811
Connecticut	1	3,711	7,900	11,611
Delaware	105	936	2,132	3,173
Florida	257	15,704	37,650	53,611
Georgia	0	8,753	18,142	26,895
Idaho	4	1,398	3,064	4,466
Illinois	4,676	18,218	32,503	55,397
Indiana	246	8,644	14,015	22,904
Iowa	730	3,887	7,934	12,551
Kansas	4,304	5,295	9,268	18,867
Kentucky	150	4,927	8,770	13,847
Louisiana	26,853	29,790	39,470	96,113
Maine	0	1,084	2,858	3,941
Maryland	2	5,461	11,529	16,992
Massachusetts	57	7,224	15,468	22,749
Michigan	11,110	15,220	27,340	53,670
Minnesota	3,913	8,211	16,838	28,962
Mississippi	1	2,322	5,070	7,394
Missouri	16,570	12,086	23,506	52,162
Montana	4,338	4,246	6,608	15,192
Nebraska	805	2,923	5,293	9,021
Nevada	36	3,170	5,912	9,119
New Hampshire	9	1,455	2,932	4,396
New Jersey	447	9,149	19,287	28,884
New Mexico	7,329	9,162	11,202	27,693
New York	181	19,017	45,023	64,222
North Carolina	0	8,646	18,439	27,085
North Dakota	29,539	35,240	40,616	105,395
Ohio	19,162	26,566	40,323	86,051
Oklahoma	34,426	30,177	41,662	106,266
Oregon	271	4,262	8,436	12,969
Pennsylvania	44,200	54,440	74,675	173,315
Rhode Island	0	1,010	2,225	3,236
South Carolina	4	4,710	8,491	13,205
South Dakota	26	830	2,070	2,926
Tennessee	40	6,475	13,007	19,522
Texas	207,567	238,742	345,831	792,140
Utah	11,614	20,921	30,853	63,388
Vermont	0	584	1,511	2,095
Virginia	231	8,999	17,075	26,305
Washington	28	5,902	13,293	19,223
West Virginia	7,393	6,154	8,486	22,033
Wisconsin	3,228	9,089	16,048	28,365
Wyoming	10,801	7,036	8,742	26,580
US Total	505,894	770,466	1,234,326	2,510,687

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Oil and Gas: 2020				
(Number of workers)				
	Direct	Indirect	Induced	Total
Alabama	10	5,675	9,827	15,512
Arizona	1	6,688	14,235	20,924
Arkansas	18,277	14,116	20,146	52,539
California	7,910	53,150	92,598	153,658
Colorado	34,775	34,064	52,559	121,398
Connecticut	1	4,305	9,086	13,392
Delaware	150	1,132	2,559	3,841
Florida	291	19,154	45,619	65,063
Georgia	0	10,604	21,855	32,458
Idaho	3	1,662	3,678	5,344
Illinois	6,023	21,779	38,802	66,604
Indiana	369	10,279	16,655	27,303
Iowa	803	4,571	9,257	14,631
Kansas	6,228	7,061	12,051	25,340
Kentucky	229	5,868	10,498	16,595
Louisiana	27,377	30,313	39,728	97,418
Maine	0	1,264	3,307	4,571
Maryland	3	6,479	13,578	20,059
Massachusetts	94	8,437	17,915	26,446
Michigan	13,359	18,601	32,590	64,551
Minnesota	4,794	9,866	20,155	34,815
Mississippi	3	2,786	6,099	8,887
Missouri	20,661	14,874	28,693	64,228
Montana	4,584	4,737	7,478	16,799
Nebraska	825	3,404	6,254	10,483
Nevada	39	3,896	7,335	11,270
New Hampshire	13	1,691	3,434	5,138
New Jersey	726	10,914	22,815	34,455
New Mexico	7,262	9,950	12,637	29,849
New York	288	21,663	52,056	74,007
North Carolina	0	10,359	22,118	32,477
North Dakota	30,813	38,750	44,677	114,240
Ohio	38,728	41,849	63,018	143,595
Oklahoma	49,258	42,186	58,173	149,617
Oregon	291	5,159	10,170	15,620
Pennsylvania	57,956	68,876	93,803	220,635
Rhode Island	0	1,161	2,547	3,708
South Carolina	5	5,700	10,201	15,905
South Dakota	26	985	2,466	3,477
Tennessee	43	7,733	15,534	23,310
Texas	236,976	282,538	409,968	929,482
Utah	8,051	17,392	26,416	51,859
Vermont	0	690	1,766	2,456
Virginia	349	10,940	20,516	31,806
Washington	29	7,124	15,847	23,000
West Virginia	10,306	8,150	11,200	29,656
Wisconsin	3,488	10,749	18,876	33,112
Wyoming	9,004	6,479	8,156	23,639
US Total	600,419	915,804	1,468,953	2,985,176

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Oil and Gas: 2025				
(Number of workers)				
	Direct	Indirect	Induced	Total
Alabama	13	6,525	10,970	17,508
Arizona	1	7,625	16,139	23,765
Arkansas	18,188	14,698	21,089	53,974
California	9,207	58,534	102,625	170,366
Colorado	40,241	39,966	61,757	141,964
Connecticut	1	4,661	9,744	14,406
Delaware	195	1,260	2,864	4,319
Florida	308	21,750	51,424	73,483
Georgia	0	11,964	24,422	36,386
Idaho	3	1,876	4,123	6,003
Illinois	7,086	24,253	43,331	74,670
Indiana	496	11,699	18,617	30,812
Iowa	906	5,280	10,410	16,596
Kansas	8,385	8,918	14,743	32,047
Kentucky	299	6,670	11,713	18,683
Louisiana	34,260	34,522	44,712	113,495
Maine	0	1,394	3,600	4,994
Maryland	3	6,932	14,881	21,817
Massachusetts	129	8,990	19,291	28,410
Michigan	15,130	21,555	36,690	73,376
Minnesota	5,611	11,058	22,714	39,383
Mississippi	961	3,647	7,499	12,107
Missouri	23,364	16,931	32,324	72,618
Montana	5,158	5,402	8,431	18,991
Nebraska	851	3,781	6,901	11,532
Nevada	43	4,349	8,211	12,603
New Hampshire	17	1,817	3,751	5,585
New Jersey	963	11,992	25,221	38,177
New Mexico	8,807	11,549	14,719	35,075
New York	387	23,119	56,284	79,790
North Carolina	0	11,382	24,574	35,956
North Dakota	30,613	38,809	44,870	114,292
Ohio	52,810	54,222	80,796	187,829
Oklahoma	61,882	52,779	72,721	187,382
Oregon	319	5,813	11,438	17,570
Pennsylvania	73,984	83,296	113,148	270,428
Rhode Island	0	1,221	2,724	3,945
South Carolina	5	6,446	11,389	17,840
South Dakota	27	1,079	2,730	3,836
Tennessee	46	8,676	17,228	25,950
Texas	242,533	299,682	433,487	975,702
Utah	6,061	14,110	22,020	42,190
Vermont	0	743	1,906	2,649
Virginia	455	12,227	22,905	35,587
Washington	55	8,050	17,554	25,659
West Virginia	13,736	10,315	14,143	38,194
Wisconsin	3,739	12,087	21,054	36,879
Wyoming	6,884	5,403	6,630	18,917
US Total	674,159	1,019,061	1,630,517	3,323,737

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Oil and Gas: 2030				
(Number of workers)				
	Direct	Indirect	Induced	Total
Alabama	16	6,963	11,305	18,284
Arizona	2	8,073	17,218	25,293
Arkansas	14,545	13,113	18,929	46,588
California	11,377	61,700	107,873	180,950
Colorado	46,341	46,275	71,182	163,798
Connecticut	2	4,718	9,684	14,403
Delaware	264	1,350	3,035	4,650
Florida	281	22,855	53,948	77,083
Georgia	0	12,492	25,541	38,033
Idaho	6	1,946	4,285	6,237
Illinois	8,069	25,476	45,384	78,929
Indiana	706	12,436	19,294	32,436
Iowa	1,072	5,631	10,898	17,601
Kansas	11,100	10,935	17,386	39,420
Kentucky	407	7,127	12,201	19,735
Louisiana	42,444	39,766	51,086	133,297
Maine	0	1,425	3,646	5,071
Maryland	5	6,973	15,222	22,200
Massachusetts	187	8,964	19,371	28,521
Michigan	15,653	23,252	38,464	77,369
Minnesota	6,132	11,668	23,880	41,681
Mississippi	2,831	4,872	9,271	16,974
Missouri	22,721	17,408	32,968	73,097
Montana	5,183	5,536	8,613	19,332
Nebraska	730	3,804	7,019	11,553
Nevada	46	4,582	8,693	13,321
New Hampshire	25	1,838	3,833	5,696
New Jersey	1,321	12,355	26,004	39,680
New Mexico	13,244	15,383	18,702	47,329
New York	540	23,000	56,349	79,889
North Carolina	0	11,636	25,501	37,137
North Dakota	23,074	30,006	34,938	88,018
Ohio	68,279	67,738	99,217	235,233
Oklahoma	69,225	60,031	82,198	211,453
Oregon	291	5,998	11,886	18,175
Pennsylvania	95,119	99,028	133,250	327,397
Rhode Island	0	1,197	2,714	3,911
South Carolina	4	6,798	11,877	18,680
South Dakota	25	1,104	2,809	3,938
Tennessee	48	9,120	17,890	27,059
Texas	205,484	272,740	393,712	871,936
Utah	9,628	16,194	24,555	50,377
Vermont	0	744	1,905	2,649
Virginia	615	12,935	24,050	37,600
Washington	83	8,402	18,012	26,497
West Virginia	17,602	12,928	17,561	48,090
Wisconsin	3,290	12,368	21,320	36,979
Wyoming	9,821	7,018	8,385	25,225
US Total	707,840	1,057,900	1,683,068	3,448,807

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Oil and Gas: 2035				
(Number of workers)				
	Direct	Indirect	Induced	Total
Alabama	17	7,216	11,382	18,615
Arizona	3	8,390	17,948	26,340
Arkansas	18,498	15,795	22,125	56,418
California	13,120	63,502	110,647	187,270
Colorado	48,818	49,944	76,601	175,363
Connecticut	3	4,682	9,434	14,119
Delaware	333	1,419	3,155	4,907
Florida	233	23,635	55,630	79,499
Georgia	0	12,706	26,065	38,771
Idaho	9	1,970	4,349	6,327
Illinois	9,180	26,581	47,056	82,817
Indiana	915	12,836	19,615	33,366
Iowa	1,239	5,841	11,239	18,320
Kansas	12,578	12,286	19,095	43,959
Kentucky	506	7,361	12,376	20,243
Louisiana	49,076	44,590	57,237	150,903
Maine	0	1,409	3,598	5,007
Maryland	6	6,929	15,306	22,241
Massachusetts	244	8,798	19,048	28,090
Michigan	15,418	24,114	39,101	78,632
Minnesota	6,269	12,004	24,417	42,691
Mississippi	4,969	6,256	11,216	22,441
Missouri	21,057	17,240	32,498	70,794
Montana	4,933	5,432	8,445	18,811
Nebraska	574	3,730	6,983	11,287
Nevada	46	4,750	9,071	13,867
New Hampshire	37	1,833	3,823	5,693
New Jersey	1,632	12,547	26,358	40,537
New Mexico	16,787	19,172	22,508	58,466
New York	679	22,487	55,479	78,645
North Carolina	0	11,598	25,841	37,439
North Dakota	14,516	19,618	23,132	57,267
Ohio	77,647	77,318	111,659	266,624
Oklahoma	72,558	64,495	88,334	225,387
Oregon	246	6,084	12,142	18,472
Pennsylvania	117,336	115,429	154,595	387,360
Rhode Island	0	1,155	2,649	3,804
South Carolina	4	6,963	12,065	19,032
South Dakota	21	1,098	2,819	3,937
Tennessee	86	9,386	18,230	27,702
Texas	161,320	234,357	337,502	733,179
Utah	14,473	21,197	31,381	67,052
Vermont	0	725	1,858	2,583
Virginia	764	13,448	24,748	38,961
Washington	108	8,549	18,118	26,775
West Virginia	21,559	15,594	21,091	58,244
Wisconsin	2,662	12,290	21,024	35,976
Wyoming	13,896	9,410	11,153	34,459
US Total	724,378	1,074,170	1,700,146	3,498,694

Source: IHS Global Insight

Unconventional Oil and Gas Employment Contribution: Ranked by Total Contribution

US State-Level Employment Contribution of Unconventional Oil and Gas: 2012				
(Number of workers ranked by total employment contribution)				
	Direct	Indirect	Induced	Total
Texas	159,474	171,204	245,406	576,084
Pennsylvania	25,628	33,219	43,821	102,668
California	6,480	33,337	56,737	96,553
Louisiana	24,314	25,511	29,142	78,968
Colorado	23,737	21,555	32,329	77,622
North Dakota	19,746	24,099	27,978	71,824
Oklahoma	21,137	18,821	25,367	65,325
Utah	10,123	17,762	26,536	54,421
New York	94	13,144	31,191	44,429
Ohio	4,210	13,601	21,020	38,830
Illinois	3,421	12,563	22,668	38,652
Michigan	8,017	10,551	19,280	37,848
Missouri	12,404	8,574	16,739	37,716
Florida	208	10,603	25,721	36,532
Arkansas	11,933	8,661	12,506	33,100
New Mexico	7,117	7,690	8,818	23,625
Wisconsin	2,280	6,360	11,120	19,760
New Jersey	195	6,251	13,308	19,753
Minnesota	2,327	5,518	11,258	19,103
North Carolina	0	5,949	12,716	18,665
Georgia	0	6,017	12,487	18,505
Virginia	128	6,167	11,732	18,028
Wyoming	7,416	4,646	5,772	17,834
Indiana	141	6,114	9,718	15,973
Massachusetts	24	5,048	10,824	15,896
Tennessee	36	4,484	8,997	13,516
Washington	20	4,088	9,109	13,217
West Virginia	3,631	3,492	4,761	11,884
Maryland	2	3,750	7,997	11,749
Arizona	1	3,761	7,936	11,698
Kansas	2,070	3,196	5,765	11,032
Montana	2,615	2,687	4,332	9,634
Kentucky	81	3,455	6,078	9,614
South Carolina	3	3,266	5,861	9,131
Alabama	7	3,303	5,753	9,064
Oregon	195	2,928	5,789	8,912
Iowa	536	2,704	5,510	8,751
Connecticut	0	2,661	5,601	8,262
Nevada	29	2,248	4,019	6,295
Nebraska	581	2,030	3,650	6,261
Mississippi	0	1,601	3,481	5,082
New Hampshire	7	1,019	2,044	3,070
Idaho	4	951	2,097	3,052
Maine	0	766	2,003	2,769
Rhode Island	0	703	1,554	2,257
Delaware	67	651	1,476	2,195
South Dakota	19	575	1,419	2,013
Vermont	0	407	1,050	1,458
US Total	360,460	537,690	850,480	1,748,630

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Oil and Gas: 2015				
(Number of workers ranked by total employment contribution)				
	Direct	Indirect	Induced	Total
Texas	207,567	238,742	345,831	792,140
Pennsylvania	44,200	54,440	74,675	173,315
California	7,958	46,565	80,288	134,811
Oklahoma	34,426	30,177	41,662	106,266
North Dakota	29,539	35,240	40,616	105,395
Colorado	29,905	28,841	44,064	102,811
Louisiana	26,853	29,790	39,470	96,113
Ohio	19,162	26,566	40,323	86,051
New York	181	19,017	45,023	64,222
Utah	11,614	20,921	30,853	63,388
Illinois	4,676	18,218	32,503	55,397
Michigan	11,110	15,220	27,340	53,670
Florida	257	15,704	37,650	53,611
Missouri	16,570	12,086	23,506	52,162
Arkansas	17,369	13,073	18,522	48,964
Minnesota	3,913	8,211	16,838	28,962
New Jersey	447	9,149	19,287	28,884
Wisconsin	3,228	9,089	16,048	28,365
New Mexico	7,329	9,162	11,202	27,693
North Carolina	0	8,646	18,439	27,085
Georgia	0	8,753	18,142	26,895
Wyoming	10,801	7,036	8,742	26,580
Virginia	231	8,999	17,075	26,305
Indiana	246	8,644	14,015	22,904
Massachusetts	57	7,224	15,468	22,749
West Virginia	7,393	6,154	8,486	22,033
Tennessee	40	6,475	13,007	19,522
Washington	28	5,902	13,293	19,223
Kansas	4,304	5,295	9,268	18,867
Arizona	1	5,464	11,640	17,105
Maryland	2	5,461	11,529	16,992
Montana	4,338	4,246	6,608	15,192
Kentucky	150	4,927	8,770	13,847
South Carolina	4	4,710	8,491	13,205
Alabama	10	4,744	8,312	13,066
Oregon	271	4,262	8,436	12,969
Iowa	730	3,887	7,934	12,551
Connecticut	1	3,711	7,900	11,611
Nevada	36	3,170	5,912	9,119
Nebraska	805	2,923	5,293	9,021
Mississippi	1	2,322	5,070	7,394
Idaho	4	1,398	3,064	4,466
New Hampshire	9	1,455	2,932	4,396
Maine	0	1,084	2,858	3,941
Rhode Island	0	1,010	2,225	3,236
Delaware	105	936	2,132	3,173
South Dakota	26	830	2,070	2,926
Vermont	0	584	1,511	2,095
US Total	505,894	770,466	1,234,326	2,510,687

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Oil and Gas: 2020				
(Number of workers ranked by total employment contribution)				
	Direct	Indirect	Induced	Total
Texas	236,976	282,538	409,968	929,482
Pennsylvania	57,956	68,876	93,803	220,635
California	7,910	53,150	92,598	153,658
Oklahoma	49,258	42,186	58,173	149,617
Ohio	38,728	41,849	63,018	143,595
Colorado	34,775	34,064	52,559	121,398
North Dakota	30,813	38,750	44,677	114,240
Louisiana	27,377	30,313	39,728	97,418
New York	288	21,663	52,056	74,007
Illinois	6,023	21,779	38,802	66,604
Florida	291	19,154	45,619	65,063
Michigan	13,359	18,601	32,590	64,551
Missouri	20,661	14,874	28,693	64,228
Arkansas	18,277	14,116	20,146	52,539
Utah	8,051	17,392	26,416	51,859
Minnesota	4,794	9,866	20,155	34,815
New Jersey	726	10,914	22,815	34,455
Wisconsin	3,488	10,749	18,876	33,112
North Carolina	0	10,359	22,118	32,477
Georgia	0	10,604	21,855	32,458
Virginia	349	10,940	20,516	31,806
New Mexico	7,262	9,950	12,637	29,849
West Virginia	10,306	8,150	11,200	29,656
Indiana	369	10,279	16,655	27,303
Massachusetts	94	8,437	17,915	26,446
Kansas	6,228	7,061	12,051	25,340
Wyoming	9,004	6,479	8,156	23,639
Tennessee	43	7,733	15,534	23,310
Washington	29	7,124	15,847	23,000
Arizona	1	6,688	14,235	20,924
Maryland	3	6,479	13,578	20,059
Montana	4,584	4,737	7,478	16,799
Kentucky	229	5,868	10,498	16,595
South Carolina	5	5,700	10,201	15,905
Oregon	291	5,159	10,170	15,620
Alabama	10	5,675	9,827	15,512
Iowa	803	4,571	9,257	14,631
Connecticut	1	4,305	9,086	13,392
Nevada	39	3,896	7,335	11,270
Nebraska	825	3,404	6,254	10,483
Mississippi	3	2,786	6,099	8,887
Idaho	3	1,662	3,678	5,344
New Hampshire	13	1,691	3,434	5,138
Maine	0	1,264	3,307	4,571
Delaware	150	1,132	2,559	3,841
Rhode Island	0	1,161	2,547	3,708
South Dakota	26	985	2,466	3,477
Vermont	0	690	1,766	2,456
US Total	600,419	915,804	1,468,953	2,985,176

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Oil and Gas: 2025				
(Number of workers ranked by total employment contribution)				
	Direct	Indirect	Induced	Total
Texas	242,533	299,682	433,487	975,702
Pennsylvania	73,984	83,296	113,148	270,428
Ohio	52,810	54,222	80,796	187,829
Oklahoma	61,882	52,779	72,721	187,382
California	9,207	58,534	102,625	170,366
Colorado	40,241	39,966	61,757	141,964
North Dakota	30,613	38,809	44,870	114,292
Louisiana	34,260	34,522	44,712	113,495
New York	387	23,119	56,284	79,790
Illinois	7,086	24,253	43,331	74,670
Florida	308	21,750	51,424	73,483
Michigan	15,130	21,555	36,690	73,376
Missouri	23,364	16,931	32,324	72,618
Arkansas	18,188	14,698	21,089	53,974
Utah	6,061	14,110	22,020	42,190
Minnesota	5,611	11,058	22,714	39,383
West Virginia	13,736	10,315	14,143	38,194
New Jersey	963	11,992	25,221	38,177
Wisconsin	3,739	12,087	21,054	36,879
Georgia	0	11,964	24,422	36,386
North Carolina	0	11,382	24,574	35,956
Virginia	455	12,227	22,905	35,587
New Mexico	8,807	11,549	14,719	35,075
Kansas	8,385	8,918	14,743	32,047
Indiana	496	11,699	18,617	30,812
Massachusetts	129	8,990	19,291	28,410
Tennessee	46	8,676	17,228	25,950
Washington	55	8,050	17,554	25,659
Arizona	1	7,625	16,139	23,765
Maryland	3	6,932	14,881	21,817
Montana	5,158	5,402	8,431	18,991
Wyoming	6,884	5,403	6,630	18,917
Kentucky	299	6,670	11,713	18,683
South Carolina	5	6,446	11,389	17,840
Oregon	319	5,813	11,438	17,570
Alabama	13	6,525	10,970	17,508
Iowa	906	5,280	10,410	16,596
Connecticut	1	4,661	9,744	14,406
Nevada	43	4,349	8,211	12,603
Mississippi	961	3,647	7,499	12,107
Nebraska	851	3,781	6,901	11,532
Idaho	3	1,876	4,123	6,003
New Hampshire	17	1,817	3,751	5,585
Maine	0	1,394	3,600	4,994
Delaware	195	1,260	2,864	4,319
Rhode Island	0	1,221	2,724	3,945
South Dakota	27	1,079	2,730	3,836
Vermont	0	743	1,906	2,649
US Total	674,159	1,019,061	1,630,517	3,323,737

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Oil and Gas: 2030				
(Number of workers ranked by total employment contribution)				
	Direct	Indirect	Induced	Total
Texas	205,484	272,740	393,712	871,936
Pennsylvania	95,119	99,028	133,250	327,397
Ohio	68,279	67,738	99,217	235,233
Oklahoma	69,225	60,031	82,198	211,453
California	11,377	61,700	107,873	180,950
Colorado	46,341	46,275	71,182	163,798
Louisiana	42,444	39,766	51,086	133,297
North Dakota	23,074	30,006	34,938	88,018
New York	540	23,000	56,349	79,889
Illinois	8,069	25,476	45,384	78,929
Michigan	15,653	23,252	38,464	77,369
Florida	281	22,855	53,948	77,083
Missouri	22,721	17,408	32,968	73,097
Utah	9,628	16,194	24,555	50,377
West Virginia	17,602	12,928	17,561	48,090
New Mexico	13,244	15,383	18,702	47,329
Arkansas	14,545	13,113	18,929	46,588
Minnesota	6,132	11,668	23,880	41,681
New Jersey	1,321	12,355	26,004	39,680
Kansas	11,100	10,935	17,386	39,420
Georgia	0	12,492	25,541	38,033
Virginia	615	12,935	24,050	37,600
North Carolina	0	11,636	25,501	37,137
Wisconsin	3,290	12,368	21,320	36,979
Indiana	706	12,436	19,294	32,436
Massachusetts	187	8,964	19,371	28,521
Tennessee	48	9,120	17,890	27,059
Washington	83	8,402	18,012	26,497
Arizona	2	8,073	17,218	25,293
Wyoming	9,821	7,018	8,385	25,225
Maryland	5	6,973	15,222	22,200
Kentucky	407	7,127	12,201	19,735
Montana	5,183	5,536	8,613	19,332
South Carolina	4	6,798	11,877	18,680
Alabama	16	6,963	11,305	18,284
Oregon	291	5,998	11,886	18,175
Iowa	1,072	5,631	10,898	17,601
Mississippi	2,831	4,872	9,271	16,974
Connecticut	2	4,718	9,684	14,403
Nevada	46	4,582	8,693	13,321
Nebraska	730	3,804	7,019	11,553
Idaho	6	1,946	4,285	6,237
New Hampshire	25	1,838	3,833	5,696
Maine	0	1,425	3,646	5,071
Delaware	264	1,350	3,035	4,650
South Dakota	25	1,104	2,809	3,938
Rhode Island	0	1,197	2,714	3,911
Vermont	0	744	1,905	2,649
US Total	707,840	1,057,900	1,683,068	3,448,807

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Oil and Gas: 2035				
(Number of workers ranked by total employment contribution)				
	Direct	Indirect	Induced	Total
Texas	161,320	234,357	337,502	733,179
Pennsylvania	117,336	115,429	154,595	387,360
Ohio	77,647	77,318	111,659	266,624
Oklahoma	72,558	64,495	88,334	225,387
California	13,120	63,502	110,647	187,270
Colorado	48,818	49,944	76,601	175,363
Louisiana	49,076	44,590	57,237	150,903
Illinois	9,180	26,581	47,056	82,817
Florida	233	23,635	55,630	79,499
New York	679	22,487	55,479	78,645
Michigan	15,418	24,114	39,101	78,632
Missouri	21,057	17,240	32,498	70,794
Utah	14,473	21,197	31,381	67,052
New Mexico	16,787	19,172	22,508	58,466
West Virginia	21,559	15,594	21,091	58,244
North Dakota	14,516	19,618	23,132	57,267
Arkansas	18,498	15,795	22,125	56,418
Kansas	12,578	12,286	19,095	43,959
Minnesota	6,269	12,004	24,417	42,691
New Jersey	1,632	12,547	26,358	40,537
Virginia	764	13,448	24,748	38,961
Georgia	0	12,706	26,065	38,771
North Carolina	0	11,598	25,841	37,439
Wisconsin	2,662	12,290	21,024	35,976
Wyoming	13,896	9,410	11,153	34,459
Indiana	915	12,836	19,615	33,366
Massachusetts	244	8,798	19,048	28,090
Tennessee	86	9,386	18,230	27,702
Washington	108	8,549	18,118	26,775
Arizona	3	8,390	17,948	26,340
Mississippi	4,969	6,256	11,216	22,441
Maryland	6	6,929	15,306	22,241
Kentucky	506	7,361	12,376	20,243
South Carolina	4	6,963	12,065	19,032
Montana	4,933	5,432	8,445	18,811
Alabama	17	7,216	11,382	18,615
Oregon	246	6,084	12,142	18,472
Iowa	1,239	5,841	11,239	18,320
Connecticut	3	4,682	9,434	14,119
Nevada	46	4,750	9,071	13,867
Nebraska	574	3,730	6,983	11,287
Idaho	9	1,970	4,349	6,327
New Hampshire	37	1,833	3,823	5,693
Maine	0	1,409	3,598	5,007
Delaware	333	1,419	3,155	4,907
South Dakota	21	1,098	2,819	3,937
Rhode Island	0	1,155	2,649	3,804
Vermont	0	725	1,858	2,583
US Total	724,378	1,074,170	1,700,146	3,498,694

Source: IHS Global Insight

Unconventional Oil and Gas Value Added: Alphabetical by State

US State-Level Value Added Contribution of Unconventional Oil and Gas: 2012				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	3	400	547	950
Arizona	0	472	747	1,219
Arkansas	2,149	823	847	3,818
California	751	4,094	5,610	10,455
Colorado	6,206	2,699	2,742	11,647
Connecticut	0	367	550	917
Delaware	11	86	147	244
Florida	15	1,206	2,449	3,669
Georgia	0	796	1,241	2,037
Idaho	1	110	184	296
Illinois	480	1,538	2,211	4,228
Indiana	17	732	918	1,667
Iowa	57	300	496	853
Kansas	300	375	508	1,183
Kentucky	10	433	585	1,028
Louisiana	5,739	2,830	2,157	10,727
Maine	0	84	176	261
Maryland	1	473	755	1,228
Massachusetts	3	671	1,050	1,723
Michigan	718	1,230	1,710	3,658
Minnesota	253	706	1,037	1,996
Mississippi	0	194	316	510
Missouri	997	941	1,384	3,322
Montana	695	264	301	1,260
Nebraska	42	242	335	619
Nevada	5	305	364	674
New Hampshire	1	116	185	302
New Jersey	36	913	1,403	2,353
New Mexico	1,248	804	667	2,719
New York	10	1,787	3,236	5,033
North Carolina	0	688	1,322	2,010
North Dakota	2,918	2,284	1,605	6,808
Ohio	611	1,574	1,918	4,103
Oklahoma	5,032	2,085	1,793	8,911
Oregon	20	336	535	891
Pennsylvania	6,025	4,228	3,859	14,113
Rhode Island	0	84	143	227
South Carolina	1	373	552	927
South Dakota	4	66	126	197
Tennessee	4	501	846	1,351
Texas	56,729	24,318	20,585	101,633
Utah	2,187	1,628	1,803	5,618
Vermont	0	47	97	144
Virginia	30	810	1,151	1,991
Washington	1	469	849	1,319
West Virginia	799	443	377	1,618
Wisconsin	250	723	987	1,960
Wyoming	2,340	521	407	3,268
US Total	96,700	67,171	73,813	237,684

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Oil and Gas: 2015				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	4	591	747	1,341
Arizona	0	694	1,037	1,731
Arkansas	3,533	1,246	1,324	6,103
California	1,115	5,906	7,622	14,643
Colorado	7,057	3,652	3,920	14,630
Connecticut	0	529	730	1,260
Delaware	18	125	201	345
Florida	23	1,833	3,383	5,239
Georgia	0	1,199	1,699	2,899
Idaho	1	168	255	424
Illinois	763	2,273	3,047	6,082
Indiana	33	1,059	1,244	2,335
Iowa	92	441	678	1,211
Kansas	837	617	781	2,235
Kentucky	18	628	799	1,445
Louisiana	6,591	3,416	3,107	13,113
Maine	0	123	237	359
Maryland	1	709	1,027	1,737
Massachusetts	7	996	1,412	2,414
Michigan	1,222	1,828	2,385	5,435
Minnesota	558	1,065	1,491	3,114
Mississippi	0	288	432	720
Missouri	1,606	1,354	1,948	4,908
Montana	1,381	423	478	2,282
Nebraska	76	362	463	901
Nevada	8	435	504	947
New Hampshire	1	171	251	423
New Jersey	89	1,421	1,918	3,428
New Mexico	1,275	1,006	888	3,169
New York	21	2,662	4,403	7,086
North Carolina	0	1,022	1,799	2,821
North Dakota	5,748	3,502	2,657	11,907
Ohio	3,590	2,985	3,410	9,985
Oklahoma	10,548	3,493	3,151	17,192
Oregon	35	502	737	1,274
Pennsylvania	7,119	7,095	6,521	20,735
Rhode Island	0	123	192	316
South Carolina	1	549	753	1,304
South Dakota	8	97	173	278
Tennessee	4	742	1,155	1,901
Texas	79,872	33,249	30,276	143,397
Utah	5,745	1,961	2,257	9,964
Vermont	0	70	133	202
Virginia	54	1,210	1,580	2,844
Washington	3	698	1,169	1,869
West Virginia	1,870	751	665	3,287
Wisconsin	469	1,073	1,375	2,917
Wyoming	3,883	802	696	5,380
US Total	145,281	97,142	107,110	349,533

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Oil and Gas: 2020				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	4	714	892	1,610
Arizona	0	842	1,280	2,123
Arkansas	3,594	1,364	1,451	6,409
California	1,124	6,737	8,786	16,647
Colorado	8,601	4,327	4,678	17,605
Connecticut	0	605	839	1,444
Delaware	26	148	241	415
Florida	27	2,224	4,095	6,346
Georgia	0	1,445	2,049	3,494
Idaho	1	203	307	511
Illinois	999	2,692	3,624	7,315
Indiana	50	1,247	1,470	2,768
Iowa	101	519	792	1,412
Kansas	1,345	806	999	3,150
Kentucky	27	735	955	1,717
Louisiana	6,106	3,544	3,180	12,829
Maine	0	143	274	417
Maryland	1	834	1,207	2,042
Massachusetts	12	1,172	1,634	2,818
Michigan	1,502	2,231	2,837	6,570
Minnesota	699	1,259	1,784	3,743
Mississippi	1	342	517	860
Missouri	2,023	1,649	2,363	6,035
Montana	1,517	478	544	2,539
Nebraska	80	430	547	1,056
Nevada	9	535	626	1,170
New Hampshire	1	199	294	494
New Jersey	144	1,766	2,273	4,184
New Mexico	1,398	1,134	1,015	3,547
New York	33	3,047	5,092	8,171
North Carolina	0	1,214	2,146	3,360
North Dakota	6,252	3,866	2,928	13,046
Ohio	8,243	4,553	5,164	17,960
Oklahoma	15,326	4,778	4,349	24,454
Oregon	39	604	889	1,533
Pennsylvania	9,532	9,002	8,180	26,714
Rhode Island	0	141	221	362
South Carolina	2	661	905	1,567
South Dakota	8	114	204	327
Tennessee	5	880	1,381	2,266
Texas	93,409	39,287	35,862	168,558
Utah	4,487	1,711	1,997	8,195
Vermont	0	82	156	238
Virginia	80	1,452	1,893	3,426
Washington	3	844	1,399	2,245
West Virginia	2,641	972	865	4,479
Wisconsin	519	1,271	1,620	3,410
Wyoming	3,520	785	663	4,968
US Total	173,492	115,591	127,469	416,551

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Oil and Gas: 2025				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	5	828	1,005	1,838
Arizona	0	959	1,465	2,424
Arkansas	3,617	1,444	1,529	6,589
California	1,526	7,450	9,740	18,716
Colorado	10,485	5,075	5,493	21,053
Connecticut	0	647	898	1,546
Delaware	34	164	269	467
Florida	29	2,528	4,619	7,176
Georgia	0	1,621	2,293	3,914
Idaho	1	233	347	582
Illinois	1,202	2,995	4,040	8,238
Indiana	69	1,412	1,640	3,121
Iowa	117	596	888	1,601
Kansas	1,919	1,003	1,207	4,129
Kentucky	35	829	1,068	1,932
Louisiana	6,988	4,030	3,580	14,598
Maine	0	157	298	456
Maryland	1	889	1,315	2,206
Massachusetts	16	1,265	1,758	3,039
Michigan	1,753	2,593	3,196	7,543
Minnesota	847	1,404	2,013	4,264
Mississippi	235	422	619	1,275
Missouri	2,339	1,866	2,648	6,854
Montana	1,701	541	614	2,855
Nebraska	85	481	603	1,169
Nevada	10	599	702	1,311
New Hampshire	2	215	321	537
New Jersey	195	2,038	2,526	4,759
New Mexico	1,724	1,304	1,180	4,208
New York	45	3,278	5,515	8,838
North Carolina	0	1,330	2,378	3,709
North Dakota	6,372	3,868	2,950	13,190
Ohio	11,845	5,814	6,532	24,192
Oklahoma	19,680	5,903	5,399	30,982
Oregon	44	682	1,005	1,732
Pennsylvania	12,556	10,867	9,839	33,261
Rhode Island	0	149	236	385
South Carolina	2	750	1,012	1,764
South Dakota	9	125	226	360
Tennessee	5	987	1,539	2,531
Texas	95,242	41,506	37,973	174,721
Utah	3,281	1,466	1,732	6,479
Vermont	0	88	169	256
Virginia	106	1,620	2,112	3,838
Washington	5	959	1,558	2,523
West Virginia	3,587	1,196	1,073	5,856
Wisconsin	577	1,433	1,810	3,821
Wyoming	2,633	708	560	3,901
US Total	190,926	128,317	141,495	460,738

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Oil and Gas: 2030				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	6	897	1,046	1,950
Arizona	1	1,025	1,571	2,596
Arkansas	2,855	1,334	1,395	5,583
California	2,220	7,927	10,258	20,405
Colorado	12,482	5,842	6,318	24,642
Connecticut	1	654	895	1,549
Delaware	49	176	284	509
Florida	27	2,673	4,852	7,552
Georgia	0	1,707	2,396	4,104
Idaho	2	248	364	614
Illinois	1,440	3,162	4,233	8,835
Indiana	103	1,499	1,698	3,301
Iowa	144	637	929	1,710
Kansas	2,571	1,213	1,406	5,190
Kentucky	50	885	1,113	2,048
Louisiana	8,489	4,603	4,061	17,152
Maine	0	162	303	465
Maryland	2	902	1,343	2,247
Massachusetts	25	1,289	1,767	3,080
Michigan	1,905	2,824	3,356	8,085
Minnesota	951	1,484	2,121	4,556
Mississippi	737	520	733	1,991
Missouri	2,380	1,924	2,699	7,003
Montana	1,676	556	628	2,860
Nebraska	74	494	615	1,184
Nevada	11	634	742	1,387
New Hampshire	3	220	328	551
New Jersey	279	2,223	2,623	5,125
New Mexico	2,467	1,625	1,465	5,556
New York	66	3,302	5,544	8,912
North Carolina	0	1,363	2,463	3,825
North Dakota	4,838	3,014	2,316	10,168
Ohio	15,796	7,154	7,914	30,863
Oklahoma	22,502	6,667	6,087	35,256
Oregon	43	710	1,051	1,804
Pennsylvania	16,379	12,853	11,560	40,792
Rhode Island	0	148	235	383
South Carolina	2	800	1,060	1,862
South Dakota	8	130	233	371
Tennessee	6	1,040	1,602	2,648
Texas	80,801	37,858	34,693	153,352
Utah	3,615	1,640	1,922	7,177
Vermont	0	89	169	258
Virginia	151	1,722	2,217	4,090
Washington	8	1,013	1,610	2,631
West Virginia	4,820	1,447	1,304	7,571
Wisconsin	519	1,484	1,846	3,848
Wyoming	3,461	866	697	5,024
US Total	193,962	132,636	146,067	472,664

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Oil and Gas: 2035				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	7	945	1,065	2,017
Arizona	1	1,078	1,652	2,731
Arkansas	3,708	1,561	1,608	6,876
California	2,806	8,262	10,563	21,631
Colorado	13,575	6,301	6,799	26,675
Connecticut	1	652	876	1,529
Delaware	64	187	294	545
Florida	24	2,783	5,007	7,814
Georgia	0	1,756	2,447	4,202
Idaho	3	257	372	632
Illinois	1,717	3,325	4,391	9,434
Indiana	139	1,547	1,727	3,414
Iowa	173	666	959	1,798
Kansas	2,951	1,363	1,538	5,853
Kentucky	65	916	1,130	2,111
Louisiana	10,053	5,145	4,520	19,718
Maine	0	162	300	462
Maryland	3	911	1,355	2,269
Massachusetts	34	1,296	1,745	3,075
Michigan	1,970	2,968	3,425	8,363
Minnesota	1,002	1,535	2,180	4,717
Mississippi	1,328	628	856	2,811
Missouri	2,302	1,918	2,666	6,886
Montana	1,557	551	619	2,728
Nebraska	60	498	617	1,175
Nevada	12	657	773	1,442
New Hampshire	4	222	329	554
New Jersey	360	2,393	2,677	5,430
New Mexico	3,163	1,937	1,734	6,835
New York	86	3,274	5,476	8,836
North Carolina	0	1,365	2,490	3,855
North Dakota	3,069	2,003	1,559	6,630
Ohio	18,337	8,105	8,850	35,292
Oklahoma	24,363	7,161	6,538	38,061
Oregon	38	727	1,081	1,846
Pennsylvania	20,706	14,933	13,384	49,022
Rhode Island	0	144	230	375
South Carolina	1	831	1,083	1,915
South Dakota	7	131	235	373
Tennessee	11	1,076	1,636	2,722
Texas	62,970	32,728	30,003	125,701
Utah	4,965	2,065	2,400	9,430
Vermont	0	88	165	253
Virginia	197	1,813	2,288	4,298
Washington	10	1,045	1,634	2,689
West Virginia	6,158	1,696	1,540	9,394
Wisconsin	431	1,498	1,837	3,766
Wyoming	4,799	1,093	907	6,799
US Total	193,230	134,195	147,559	474,985

Source: IHS Global Insight

Unconventional Oil and Gas Value Added: Ranked by Total Contribution

US State-Level Value Added Contribution of Unconventional Oil and Gas: 2012				
(2012 \$M ranked by total value added contribution)				
	Direct	Indirect	Induced	Total
Texas	56,729	24,318	20,585	101,633
Pennsylvania	6,025	4,228	3,859	14,113
Colorado	6,206	2,699	2,742	11,647
Louisiana	5,739	2,830	2,157	10,727
California	751	4,094	5,610	10,455
Oklahoma	5,032	2,085	1,793	8,911
North Dakota	2,918	2,284	1,605	6,808
Utah	2,187	1,628	1,803	5,618
New York	10	1,787	3,236	5,033
Illinois	480	1,538	2,211	4,228
Ohio	611	1,574	1,918	4,103
Arkansas	2,149	823	847	3,818
Florida	15	1,206	2,449	3,669
Michigan	718	1,230	1,710	3,658
Missouri	997	941	1,384	3,322
Wyoming	2,340	521	407	3,268
New Mexico	1,248	804	667	2,719
New Jersey	36	913	1,403	2,353
Georgia	0	796	1,241	2,037
North Carolina	0	688	1,322	2,010
Minnesota	253	706	1,037	1,996
Virginia	30	810	1,151	1,991
Wisconsin	250	723	987	1,960
Massachusetts	3	671	1,050	1,723
Indiana	17	732	918	1,667
West Virginia	799	443	377	1,618
Tennessee	4	501	846	1,351
Washington	1	469	849	1,319
Montana	695	264	301	1,260
Maryland	1	473	755	1,228
Arizona	0	472	747	1,219
Kansas	300	375	508	1,183
Kentucky	10	433	585	1,028
Alabama	3	400	547	950
South Carolina	1	373	552	927
Connecticut	0	367	550	917
Oregon	20	336	535	891
Iowa	57	300	496	853
Nevada	5	305	364	674
Nebraska	42	242	335	619
Mississippi	0	194	316	510
New Hampshire	1	116	185	302
Idaho	1	110	184	296
Maine	0	84	176	261
Delaware	11	86	147	244
Rhode Island	0	84	143	227
South Dakota	4	66	126	197
Vermont	0	47	97	144
US Total	96,700	67,171	73,813	237,684

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Oil and Gas: 2015				
(2012 \$M ranked by total value added contribution)				
	Direct	Indirect	Induced	Total
Texas	79,872	33,249	30,276	143,397
Pennsylvania	7,119	7,095	6,521	20,735
Oklahoma	10,548	3,493	3,151	17,192
California	1,115	5,906	7,622	14,643
Colorado	7,057	3,652	3,920	14,630
Louisiana	6,591	3,416	3,107	13,113
North Dakota	5,748	3,502	2,657	11,907
Ohio	3,590	2,985	3,410	9,985
Utah	5,745	1,961	2,257	9,964
New York	21	2,662	4,403	7,086
Arkansas	3,533	1,246	1,324	6,103
Illinois	763	2,273	3,047	6,082
Michigan	1,222	1,828	2,385	5,435
Wyoming	3,883	802	696	5,380
Florida	23	1,833	3,383	5,239
Missouri	1,606	1,354	1,948	4,908
New Jersey	89	1,421	1,918	3,428
West Virginia	1,870	751	665	3,287
New Mexico	1,275	1,006	888	3,169
Minnesota	558	1,065	1,491	3,114
Wisconsin	469	1,073	1,375	2,917
Georgia	0	1,199	1,699	2,899
Virginia	54	1,210	1,580	2,844
North Carolina	0	1,022	1,799	2,821
Massachusetts	7	996	1,412	2,414
Indiana	33	1,059	1,244	2,335
Montana	1,381	423	478	2,282
Kansas	837	617	781	2,235
Tennessee	4	742	1,155	1,901
Washington	3	698	1,169	1,869
Maryland	1	709	1,027	1,737
Arizona	0	694	1,037	1,731
Kentucky	18	628	799	1,445
Alabama	4	591	747	1,341
South Carolina	1	549	753	1,304
Oregon	35	502	737	1,274
Connecticut	0	529	730	1,260
Iowa	92	441	678	1,211
Nevada	8	435	504	947
Nebraska	76	362	463	901
Mississippi	0	288	432	720
Idaho	1	168	255	424
New Hampshire	1	171	251	423
Maine	0	123	237	359
Delaware	18	125	201	345
Rhode Island	0	123	192	316
South Dakota	8	97	173	278
Vermont	0	70	133	202
US Total	145,281	97,142	107,110	349,533

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Oil and Gas: 2020				
(2012 \$M ranked by total value added contribution)				
	Direct	Indirect	Induced	Total
Texas	93,409	39,287	35,862	168,558
Pennsylvania	9,532	9,002	8,180	26,714
Oklahoma	15,326	4,778	4,349	24,454
Ohio	8,243	4,553	5,164	17,960
Colorado	8,601	4,327	4,678	17,605
California	1,124	6,737	8,786	16,647
North Dakota	6,252	3,866	2,928	13,046
Louisiana	6,106	3,544	3,180	12,829
Utah	4,487	1,711	1,997	8,195
New York	33	3,047	5,092	8,171
Illinois	999	2,692	3,624	7,315
Michigan	1,502	2,231	2,837	6,570
Arkansas	3,594	1,364	1,451	6,409
Florida	27	2,224	4,095	6,346
Missouri	2,023	1,649	2,363	6,035
Wyoming	3,520	785	663	4,968
West Virginia	2,641	972	865	4,479
New Jersey	144	1,766	2,273	4,184
Minnesota	699	1,259	1,784	3,743
New Mexico	1,398	1,134	1,015	3,547
Georgia	0	1,445	2,049	3,494
Virginia	80	1,452	1,893	3,426
Wisconsin	519	1,271	1,620	3,410
North Carolina	0	1,214	2,146	3,360
Kansas	1,345	806	999	3,150
Massachusetts	12	1,172	1,634	2,818
Indiana	50	1,247	1,470	2,768
Montana	1,517	478	544	2,539
Tennessee	5	880	1,381	2,266
Washington	3	844	1,399	2,245
Arizona	0	842	1,280	2,123
Maryland	1	834	1,207	2,042
Kentucky	27	735	955	1,717
Alabama	4	714	892	1,610
South Carolina	2	661	905	1,567
Oregon	39	604	889	1,533
Connecticut	0	605	839	1,444
Iowa	101	519	792	1,412
Nevada	9	535	626	1,170
Nebraska	80	430	547	1,056
Mississippi	1	342	517	860
Idaho	1	203	307	511
New Hampshire	1	199	294	494
Maine	0	143	274	417
Delaware	26	148	241	415
Rhode Island	0	141	221	362
South Dakota	8	114	204	327
Vermont	0	82	156	238
US Total	173,492	115,591	127,469	416,551

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Oil and Gas: 2025
(2012 \$M ranked by total value added contribution)

	Direct	Indirect	Induced	Total
Texas	95,242	41,506	37,973	174,721
Pennsylvania	12,556	10,867	9,839	33,261
Oklahoma	19,680	5,903	5,399	30,982
Ohio	11,845	5,814	6,532	24,192
Colorado	10,485	5,075	5,493	21,053
California	1,526	7,450	9,740	18,716
Louisiana	6,988	4,030	3,580	14,598
North Dakota	6,372	3,868	2,950	13,190
New York	45	3,278	5,515	8,838
Illinois	1,202	2,995	4,040	8,238
Michigan	1,753	2,593	3,196	7,543
Florida	29	2,528	4,619	7,176
Missouri	2,339	1,866	2,648	6,854
Arkansas	3,617	1,444	1,529	6,589
Utah	3,281	1,466	1,732	6,479
West Virginia	3,587	1,196	1,073	5,856
New Jersey	195	2,038	2,526	4,759
Minnesota	847	1,404	2,013	4,264
New Mexico	1,724	1,304	1,180	4,208
Kansas	1,919	1,003	1,207	4,129
Georgia	0	1,621	2,293	3,914
Wyoming	2,633	708	560	3,901
Virginia	106	1,620	2,112	3,838
Wisconsin	577	1,433	1,810	3,821
North Carolina	0	1,330	2,378	3,709
Indiana	69	1,412	1,640	3,121
Massachusetts	16	1,265	1,758	3,039
Montana	1,701	541	614	2,855
Tennessee	5	987	1,539	2,531
Washington	5	959	1,558	2,523
Arizona	0	959	1,465	2,424
Maryland	1	889	1,315	2,206
Kentucky	35	829	1,068	1,932
Alabama	5	828	1,005	1,838
South Carolina	2	750	1,012	1,764
Oregon	44	682	1,005	1,732
Iowa	117	596	888	1,601
Connecticut	0	647	898	1,546
Nevada	10	599	702	1,311
Mississippi	235	422	619	1,275
Nebraska	85	481	603	1,169
Idaho	1	233	347	582
New Hampshire	2	215	321	537
Delaware	34	164	269	467
Maine	0	157	298	456
Rhode Island	0	149	236	385
South Dakota	9	125	226	360
Vermont	0	88	169	256
US Total	190,926	128,317	141,495	460,738

Source: IHS Global Insight

US State-Level Value Added of Unconventional Oil and Gas: 2030				
(2012 \$M ranked by total value added contribution)				
	Direct	Indirect	Induced	Total
Texas	80,801	37,858	34,693	153,352
Pennsylvania	16,379	12,853	11,560	40,792
Oklahoma	22,502	6,667	6,087	35,256
Ohio	15,796	7,154	7,914	30,863
Colorado	12,482	5,842	6,318	24,642
California	2,220	7,927	10,258	20,405
Louisiana	8,489	4,603	4,061	17,152
North Dakota	4,838	3,014	2,316	10,168
New York	66	3,302	5,544	8,912
Illinois	1,440	3,162	4,233	8,835
Michigan	1,905	2,824	3,356	8,085
West Virginia	4,820	1,447	1,304	7,571
Florida	27	2,673	4,852	7,552
Utah	3,615	1,640	1,922	7,177
Missouri	2,380	1,924	2,699	7,003
Arkansas	2,855	1,334	1,395	5,583
New Mexico	2,467	1,625	1,465	5,556
Kansas	2,571	1,213	1,406	5,190
New Jersey	279	2,223	2,623	5,125
Wyoming	3,461	866	697	5,024
Minnesota	951	1,484	2,121	4,556
Georgia	0	1,707	2,396	4,104
Virginia	151	1,722	2,217	4,090
Wisconsin	519	1,484	1,846	3,848
North Carolina	0	1,363	2,463	3,825
Indiana	103	1,499	1,698	3,301
Massachusetts	25	1,289	1,767	3,080
Montana	1,676	556	628	2,860
Tennessee	6	1,040	1,602	2,648
Washington	8	1,013	1,610	2,631
Arizona	1	1,025	1,571	2,596
Maryland	2	902	1,343	2,247
Kentucky	50	885	1,113	2,048
Mississippi	737	520	733	1,991
Alabama	6	897	1,046	1,950
South Carolina	2	800	1,060	1,862
Oregon	43	710	1,051	1,804
Iowa	144	637	929	1,710
Connecticut	1	654	895	1,549
Nevada	11	634	742	1,387
Nebraska	74	494	615	1,184
Idaho	2	248	364	614
New Hampshire	3	220	328	551
Delaware	49	176	284	509
Maine	0	162	303	465
Rhode Island	0	148	235	383
South Dakota	8	130	233	371
Vermont	0	89	169	258
US Total	193,962	132,636	146,067	472,664

Source: IHS Global Insight

US State-Level Value Added of Unconventional Oil and Gas: 2035				
(2012 \$M ranked by total value added contribution)				
	Direct	Indirect	Induced	Total
Texas	62,970	32,728	30,003	125,701
Pennsylvania	20,706	14,933	13,384	49,022
Oklahoma	24,363	7,161	6,538	38,061
Ohio	18,337	8,105	8,850	35,292
Colorado	13,575	6,301	6,799	26,675
California	2,806	8,262	10,563	21,631
Louisiana	10,053	5,145	4,520	19,718
Illinois	1,717	3,325	4,391	9,434
Utah	4,965	2,065	2,400	9,430
West Virginia	6,158	1,696	1,540	9,394
New York	86	3,274	5,476	8,836
Michigan	1,970	2,968	3,425	8,363
Florida	24	2,783	5,007	7,814
Missouri	2,302	1,918	2,666	6,886
Arkansas	3,708	1,561	1,608	6,876
New Mexico	3,163	1,937	1,734	6,835
Wyoming	4,799	1,093	907	6,799
North Dakota	3,069	2,003	1,559	6,630
Kansas	2,951	1,363	1,538	5,853
New Jersey	360	2,393	2,677	5,430
Minnesota	1,002	1,535	2,180	4,717
Virginia	197	1,813	2,288	4,298
Georgia	0	1,756	2,447	4,202
North Carolina	0	1,365	2,490	3,855
Wisconsin	431	1,498	1,837	3,766
Indiana	139	1,547	1,727	3,414
Massachusetts	34	1,296	1,745	3,075
Mississippi	1,328	628	856	2,811
Arizona	1	1,078	1,652	2,731
Montana	1,557	551	619	2,728
Tennessee	11	1,076	1,636	2,722
Washington	10	1,045	1,634	2,689
Maryland	3	911	1,355	2,269
Kentucky	65	916	1,130	2,111
Alabama	7	945	1,065	2,017
South Carolina	1	831	1,083	1,915
Oregon	38	727	1,081	1,846
Iowa	173	666	959	1,798
Connecticut	1	652	876	1,529
Nevada	12	657	773	1,442
Nebraska	60	498	617	1,175
Idaho	3	257	372	632
New Hampshire	4	222	329	554
Delaware	64	187	294	545
Maine	0	162	300	462
Rhode Island	0	144	230	375
South Dakota	7	131	235	373
Vermont	0	88	165	253
US Total	193,230	134,195	147,559	474,985

Source: IHS Global Insight

Unconventional Oil and Gas Labor Income Contribution: Alphabetical by State

US State-Level Labor Income Contribution of Unconventional Oil and Gas: 2012				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	1	256	309	566
Arizona	0	281	418	699
Arkansas	1,000	511	499	2,010
California	534	2,579	3,152	6,265
Colorado	2,755	1,612	1,534	5,901
Connecticut	0	220	333	554
Delaware	7	55	86	148
Florida	15	766	1,343	2,124
Georgia	0	465	696	1,161
Idaho	0	71	106	178
Illinois	355	991	1,276	2,623
Indiana	11	468	531	1,010
Iowa	43	190	279	511
Kansas	150	227	282	659
Kentucky	6	266	325	598
Louisiana	2,642	1,746	1,240	5,627
Maine	0	56	102	158
Maryland	0	300	442	743
Massachusetts	3	430	636	1,068
Michigan	600	778	988	2,365
Minnesota	193	430	597	1,220
Mississippi	0	120	180	300
Missouri	824	607	788	2,219
Montana	271	147	168	586
Nebraska	28	146	192	366
Nevada	2	158	191	351
New Hampshire	1	78	109	187
New Jersey	26	522	795	1,344
New Mexico	567	481	375	1,423
New York	8	1,152	1,889	3,049
North Carolina	0	458	698	1,155
North Dakota	1,331	1,322	956	3,609
Ohio	341	1,021	1,116	2,478
Oklahoma	2,296	1,146	1,004	4,447
Oregon	12	215	293	520
Pennsylvania	2,486	2,568	2,276	7,330
Rhode Island	0	56	85	140
South Carolina	0	236	310	546
South Dakota	1	41	71	113
Tennessee	2	329	487	818
Texas	24,674	12,892	11,317	48,883
Utah	960	1,003	1,031	2,994
Vermont	0	32	57	89
Virginia	17	508	644	1,169
Washington	1	311	476	789
West Virginia	330	250	214	794
Wisconsin	191	457	567	1,215
Wyoming	923	297	219	1,440
US Total	43,608	39,250	41,682	124,541

Source: IHS Global Insight

US State-Level Labor Income Contribution of Unconventional Oil and Gas: 2015				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	1	373	450	825
Arizona	0	413	619	1,033
Arkansas	1,608	772	739	3,119
California	734	3,664	4,490	8,887
Colorado	3,329	2,168	2,110	7,608
Connecticut	0	313	473	786
Delaware	12	81	125	218
Florida	21	1,153	1,982	3,156
Georgia	0	686	1,019	1,704
Idaho	0	107	157	264
Illinois	537	1,456	1,844	3,837
Indiana	20	670	769	1,459
Iowa	63	277	402	742
Kansas	349	373	444	1,166
Kentucky	11	384	473	868
Louisiana	2,678	2,018	1,686	6,382
Maine	0	81	147	227
Maryland	0	444	641	1,086
Massachusetts	6	623	913	1,543
Michigan	936	1,140	1,410	3,486
Minnesota	374	644	893	1,910
Mississippi	0	177	263	440
Missouri	1,238	868	1,115	3,221
Montana	481	234	257	972
Nebraska	44	216	281	541
Nevada	3	224	281	508
New Hampshire	1	112	158	271
New Jersey	62	774	1,157	1,993
New Mexico	478	596	489	1,563
New York	16	1,691	2,744	4,452
North Carolina	0	674	1,019	1,693
North Dakota	5,340	1,982	1,402	8,724
Ohio	1,503	1,914	2,011	5,428
Oklahoma	4,303	1,872	1,643	7,817
Oregon	19	319	430	767
Pennsylvania	2,908	4,233	3,819	10,960
Rhode Island	0	81	122	203
South Carolina	1	344	453	797
South Dakota	2	59	103	165
Tennessee	3	483	709	1,195
Texas	31,929	17,654	15,760	65,343
Utah	2,297	1,207	1,231	4,735
Vermont	0	47	84	131
Virginia	30	754	942	1,726
Washington	2	459	700	1,161
West Virginia	754	428	366	1,547
Wisconsin	312	667	827	1,805
Wyoming	1,516	456	333	2,305
US Total	63,921	56,365	60,484	180,770

Source: IHS Global Insight

US State-Level Labor Income Contribution of Unconventional Oil and Gas: 2020				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	1	448	537	986
Arizona	0	505	763	1,268
Arkansas	1,677	844	814	3,335
California	740	4,171	5,174	10,085
Colorado	3,971	2,562	2,521	9,054
Connecticut	0	361	542	903
Delaware	16	98	151	265
Florida	24	1,402	2,404	3,830
Georgia	0	825	1,229	2,054
Idaho	0	127	189	316
Illinois	705	1,734	2,193	4,632
Indiana	31	791	912	1,734
Iowa	69	326	470	865
Kansas	533	490	567	1,589
Kentucky	16	453	567	1,035
Louisiana	2,520	2,083	1,732	6,335
Maine	0	94	171	265
Maryland	0	525	753	1,279
Massachusetts	11	726	1,058	1,794
Michigan	1,155	1,390	1,676	4,220
Minnesota	472	769	1,066	2,307
Mississippi	0	211	316	527
Missouri	1,577	1,060	1,350	3,988
Montana	528	263	294	1,085
Nebraska	46	256	334	637
Nevada	4	275	348	627
New Hampshire	1	130	184	315
New Jersey	101	921	1,365	2,388
New Mexico	517	667	560	1,743
New York	26	1,934	3,168	5,128
North Carolina	0	802	1,222	2,024
North Dakota	5,856	2,185	1,545	9,586
Ohio	3,278	2,905	2,979	9,162
Oklahoma	6,191	2,575	2,264	11,030
Oregon	21	385	518	924
Pennsylvania	3,874	5,337	4,755	13,966
Rhode Island	0	93	139	232
South Carolina	1	416	546	962
South Dakota	2	70	122	195
Tennessee	3	577	848	1,428
Texas	37,609	20,877	18,695	77,181
Utah	1,761	1,045	1,105	3,910
Vermont	0	56	99	155
Virginia	45	918	1,132	2,095
Washington	2	554	838	1,395
West Virginia	1,059	556	472	2,087
Wisconsin	347	790	978	2,115
Wyoming	1,340	438	319	2,098
US Total	76,131	67,021	71,981	215,132

Source: IHS Global Insight

US State-Level Labor Income Contribution of Unconventional Oil and Gas: 2025				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	2	517	605	1,123
Arizona	0	577	873	1,450
Arkansas	1,699	888	859	3,446
California	914	4,593	5,718	11,225
Colorado	4,760	3,004	2,956	10,721
Connecticut	0	388	578	966
Delaware	21	109	168	299
Florida	26	1,591	2,711	4,328
Georgia	0	931	1,382	2,314
Idaho	0	144	213	357
Illinois	850	1,936	2,446	5,232
Indiana	42	898	1,019	1,960
Iowa	79	377	529	985
Kansas	749	611	683	2,042
Kentucky	21	512	634	1,167
Louisiana	2,877	2,368	1,946	7,191
Maine	0	104	187	291
Maryland	0	557	816	1,373
Massachusetts	15	774	1,139	1,928
Michigan	1,352	1,615	1,886	4,853
Minnesota	576	861	1,198	2,635
Mississippi	91	260	374	725
Missouri	1,834	1,199	1,511	4,545
Montana	602	300	332	1,234
Nebraska	50	289	371	709
Nevada	4	308	390	702
New Hampshire	2	140	201	342
New Jersey	138	1,017	1,509	2,664
New Mexico	640	766	645	2,051
New York	36	2,074	3,418	5,528
North Carolina	0	879	1,358	2,237
North Dakota	5,896	2,190	1,557	9,643
Ohio	4,728	3,703	3,731	12,162
Oklahoma	7,912	3,193	2,808	13,913
Oregon	24	433	583	1,040
Pennsylvania	5,083	6,408	5,668	17,158
Rhode Island	0	98	149	247
South Carolina	1	472	612	1,085
South Dakota	3	77	135	215
Tennessee	3	651	945	1,599
Texas	39,201	22,150	19,832	81,183
Utah	1,245	890	974	3,110
Vermont	0	60	107	167
Virginia	59	1,031	1,265	2,356
Washington	4	626	932	1,563
West Virginia	1,433	690	582	2,704
Wisconsin	388	894	1,095	2,377
Wyoming	986	383	272	1,642
US Total	84,348	74,537	79,901	238,786

Source: IHS Global Insight

US State-Level Labor Income Contribution of Unconventional Oil and Gas: 2030				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	2	556	629	1,187
Arizona	0	614	937	1,550
Arkansas	1,405	813	790	3,008
California	1,231	4,850	5,998	12,080
Colorado	5,678	3,469	3,391	12,539
Connecticut	0	392	574	966
Delaware	31	117	178	325
Florida	25	1,670	2,846	4,542
Georgia	0	974	1,447	2,421
Idaho	1	151	222	374
Illinois	1,025	2,043	2,557	5,624
Indiana	64	952	1,056	2,072
Iowa	99	403	553	1,055
Kansas	1,028	741	791	2,560
Kentucky	30	546	662	1,238
Louisiana	3,472	2,709	2,195	8,376
Maine	0	107	191	298
Maryland	1	560	829	1,390
Massachusetts	23	777	1,145	1,945
Michigan	1,484	1,752	1,977	5,212
Minnesota	666	910	1,258	2,833
Mississippi	292	320	434	1,046
Missouri	1,878	1,235	1,541	4,653
Montana	616	309	340	1,265
Nebraska	44	298	381	723
Nevada	5	325	413	742
New Hampshire	3	142	205	349
New Jersey	200	1,058	1,557	2,814
New Mexico	958	967	789	2,714
New York	53	2,074	3,418	5,546
North Carolina	0	898	1,409	2,308
North Dakota	4,559	1,706	1,224	7,489
Ohio	6,487	4,550	4,474	15,511
Oklahoma	9,116	3,617	3,161	15,895
Oregon	24	447	606	1,077
Pennsylvania	6,666	7,553	6,585	20,804
Rhode Island	0	96	148	244
South Carolina	1	501	643	1,145
South Dakota	3	79	140	221
Tennessee	3	687	984	1,674
Texas	34,386	20,274	18,174	72,834
Utah	1,406	1,006	1,081	3,493
Vermont	0	60	107	167
Virginia	85	1,097	1,329	2,510
Washington	7	656	962	1,625
West Virginia	1,941	842	700	3,483
Wisconsin	358	923	1,120	2,401
Wyoming	1,330	477	335	2,142
US Total	86,686	77,299	82,483	246,468

Source: IHS Global Insight

US State-Level Labor Income Contribution of Unconventional Oil and Gas: 2035				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	2	581	639	1,222
Arizona	0	643	985	1,628
Arkansas	1,822	952	900	3,674
California	1,518	5,013	6,154	12,686
Colorado	6,232	3,746	3,644	13,622
Connecticut	0	390	559	950
Delaware	40	123	184	347
Florida	22	1,723	2,933	4,677
Georgia	0	996	1,481	2,477
Idaho	1	154	227	382
Illinois	1,233	2,142	2,643	6,018
Indiana	87	980	1,073	2,140
Iowa	121	420	570	1,112
Kansas	1,215	832	864	2,911
Kentucky	39	564	672	1,275
Louisiana	4,094	3,027	2,431	9,553
Maine	0	107	190	297
Maryland	1	559	833	1,393
Massachusetts	32	769	1,129	1,930
Michigan	1,547	1,832	2,014	5,393
Minnesota	717	939	1,289	2,946
Mississippi	542	386	496	1,424
Missouri	1,836	1,228	1,523	4,588
Montana	595	306	336	1,237
Nebraska	36	301	384	721
Nevada	5	336	430	771
New Hampshire	4	142	205	351
New Jersey	261	1,086	1,579	2,925
New Mexico	1,282	1,162	924	3,369
New York	71	2,037	3,357	5,465
North Carolina	0	896	1,428	2,325
North Dakota	2,938	1,131	826	4,896
Ohio	7,738	5,151	4,973	17,862
Oklahoma	9,968	3,885	3,392	17,245
Oregon	23	454	619	1,096
Pennsylvania	8,449	8,743	7,549	24,741
Rhode Island	0	93	145	238
South Carolina	1	519	658	1,177
South Dakota	2	79	140	222
Tennessee	6	709	1,004	1,720
Texas	27,916	17,591	15,783	61,291
Utah	1,990	1,277	1,337	4,604
Vermont	0	59	105	163
Virginia	112	1,151	1,372	2,635
Washington	9	673	974	1,656
West Virginia	2,491	995	821	4,307
Wisconsin	306	928	1,117	2,352
Wyoming	1,896	615	432	2,943
US Total	87,204	78,428	83,326	248,957

Source: IHS Global Insight

Unconventional Oil and Gas Government Revenue and Private Lease Payments by State

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Alabama							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	123	177	212	242	256	265	4,949
Personal Taxes	100	146	174	199	210	217	4,065
Corporate Taxes	23	31	38	43	46	48	884
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	155	208	244	271	276	276	5,538
Personal Taxes	20	28	33	36	35	34	726
Corporate Taxes	135	180	211	235	241	242	4,812
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	279	385	456	513	532	540	10,486
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.
**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Arizona							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	155	225	276	315	338	355	6,457
Personal Taxes	124	183	224	257	275	289	5,248
Corporate Taxes	31	42	51	59	63	66	1,209
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	171	229	273	302	309	314	6,190
Personal Taxes	24	33	40	44	43	42	881
Corporate Taxes	148	196	233	258	266	271	5,308
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	327	454	549	617	647	669	12,647
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.
**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Arkansas
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	474	745	789	813	696	852	16,829
Personal Taxes	356	551	590	610	533	652	12,655
Corporate Taxes	109	180	185	189	155	193	3,897
Federal Royalty Payments	8	13	14	13	7	8	264
Federal Bonus Payments	1	1	1	1	0	0	13
State and Local Taxes	530	879	900	911	683	829	18,707
Personal Taxes	71	108	116	119	98	111	2,412
Corporate Taxes	293	483	486	482	370	443	9,887
Severance Taxes	126	218	227	240	175	229	5,009
Ad Valorem Taxes	38	66	68	68	39	45	1,345
State Royalty Payments	1	2	3	3	1	1	50
State Bonus Payments	0	0	0	0	0	0	3
Total Government Revenue	1,003	1,623	1,689	1,724	1,379	1,681	35,536
Lease Payments to Private Landowners	7	8	9	9	10	21	241

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: California
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	1,363	1,918	2,178	2,457	2,704	2,895	52,090
Personal Taxes	1,111	1,571	1,783	1,986	2,141	2,251	41,831
Corporate Taxes	252	347	395	451	502	539	9,558
Federal Royalty Payments	0	0	0	19	61	105	698
Federal Bonus Payments	0	0	0	0	0	0	3
State and Local Taxes	1,623	2,196	2,437	2,672	2,805	2,878	56,292
Personal Taxes	463	623	693	741	742	725	15,418
Corporate Taxes	1,160	1,573	1,743	1,925	2,044	2,119	40,653
Severance Taxes	0	0	0	0	2	3	19
Ad Valorem Taxes	0	0	0	4	13	22	147
State Royalty Payments	0	0	0	2	5	8	55
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	2,987	4,115	4,615	5,129	5,509	5,773	108,383
Lease Payments to Private Landowners	0	0	0	3	8	13	92

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Colorado
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	1,486	1,897	2,312	2,754	3,203	3,460	58,355
Personal Taxes	1,046	1,345	1,601	1,897	2,221	2,416	40,303
Corporate Taxes	346	423	515	622	729	786	13,088
Federal Royalty Payments	94	129	196	235	252	258	4,960
Federal Bonus Payments	0	0	0	0	0	0	4
State and Local Taxes	1,449	1,872	2,436	2,965	3,412	3,687	63,187
Personal Taxes	259	332	395	461	503	511	9,494
Corporate Taxes	725	884	1,051	1,232	1,370	1,413	25,617
Severance Taxes	222	317	474	609	739	856	13,490
Ad Valorem Taxes	232	324	494	637	771	877	14,023
State Royalty Payments	10	14	22	26	28	29	549
State Bonus Payments	1	1	1	1	1	1	14
Total Government Revenue	2,935	3,769	4,748	5,719	6,615	7,147	121,542
Lease Payments to Private Landowners	20	26	33	44	61	73	1,065

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Connecticut
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	120	168	192	206	206	203	4,252
Personal Taxes	98	139	160	171	171	169	3,527
Corporate Taxes	22	29	33	35	35	35	725
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	126	165	184	190	181	171	3,939
Personal Taxes	42	56	63	65	60	55	1,330
Corporate Taxes	84	108	121	125	121	116	2,610
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	246	332	376	396	388	375	8,191
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Delaware
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	32	46	56	63	69	73	1,312
Personal Taxes	26	38	47	53	58	62	1,098
Corporate Taxes	6	8	9	10	11	12	214
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	39	52	61	66	69	71	1,386
Personal Taxes	9	13	15	17	17	17	342
Corporate Taxes	30	40	46	50	52	54	1,043
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	71	99	117	129	138	144	2,698
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Florida
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	470	684	829	937	986	1,019	19,140
Personal Taxes	377	558	677	766	805	830	15,614
Corporate Taxes	93	126	152	172	181	189	3,527
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	181	241	284	312	316	319	6,396
Personal Taxes	0	0	0	0	0	0	0
Corporate Taxes	181	241	284	312	316	319	6,396
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	651	925	1,112	1,249	1,302	1,337	25,536
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Georgia
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	259	373	450	506	530	543	10,344
Personal Taxes	206	301	363	409	429	439	8,356
Corporate Taxes	53	72	87	96	101	104	1,987
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	262	356	418	451	450	442	9,233
Personal Taxes	68	94	111	120	117	111	2,425
Corporate Taxes	194	261	306	331	334	331	6,808
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	520	729	867	957	981	985	19,577
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Idaho
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	39	56	68	77	81	83	1,566
Personal Taxes	32	47	56	63	66	68	1,289
Corporate Taxes	7	10	12	14	14	15	277
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	52	70	83	93	94	94	1,889
Personal Taxes	8	12	14	15	14	14	299
Corporate Taxes	44	59	70	78	80	81	1,589
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	91	127	151	169	175	177	3,455
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Illinois							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	562	814	981	1,107	1,190	1,273	22,940
Personal Taxes	465	678	819	926	996	1,067	19,176
Corporate Taxes	97	135	162	181	193	206	3,763
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	450	624	729	794	809	826	16,392
Personal Taxes	100	140	165	180	180	179	3,667
Corporate Taxes	351	485	564	614	629	647	12,726
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	1,012	1,438	1,710	1,901	1,999	2,099	39,332
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Indiana							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	219	311	369	417	441	456	8,576
Personal Taxes	179	258	306	347	367	380	7,127
Corporate Taxes	40	53	62	70	74	77	1,449
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	159	212	244	266	268	265	5,471
Personal Taxes	46	63	74	80	79	76	1,627
Corporate Taxes	113	148	170	186	189	189	3,844
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	377	523	613	683	709	721	14,046
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Iowa							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	111	159	186	211	226	239	4,382
Personal Taxes	91	131	153	174	187	197	3,611
Corporate Taxes	21	28	33	37	39	41	771
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	50	69	78	85	86	86	1,759
Personal Taxes	22	30	34	38	37	37	769
Corporate Taxes	28	38	44	48	49	49	990
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	161	228	264	297	312	325	6,141
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Kansas							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	151	278	391	513	650	741	10,635
Personal Taxes	117	206	281	361	454	517	7,513
Corporate Taxes	32	64	94	126	159	177	2,552
Federal Royalty Payments	3	7	16	26	37	47	571
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	100	208	340	473	624	730	10,051
Personal Taxes	33	55	74	90	104	110	1,824
Corporate Taxes	43	86	120	155	187	203	3,115
Severance Taxes	13	37	81	128	186	233	2,852
Ad Valorem Taxes	10	27	60	94	137	171	2,100
State Royalty Payments	1	2	4	7	10	13	155
State Bonus Payments	0	0	0	0	0	0	4
Total Government Revenue	251	486	731	986	1,274	1,471	20,686
Lease Payments to Private Landowners	3	6	9	13	18	22	304

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Kentucky
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	132	188	224	253	268	276	5,203
Personal Taxes	106	153	183	207	219	226	4,249
Corporate Taxes	26	35	41	46	49	50	954
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	151	202	233	254	256	253	5,222
Personal Taxes	31	42	50	54	53	51	1,089
Corporate Taxes	120	159	183	200	203	203	4,133
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	283	390	457	506	524	530	10,425
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Louisiana
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	1,315	1,547	1,525	1,732	2,027	2,323	39,259
Personal Taxes	998	1,128	1,121	1,272	1,484	1,694	28,780
Corporate Taxes	307	405	391	446	529	612	10,136
Federal Royalty Payments	5	8	7	8	8	10	187
Federal Bonus Payments	6	7	6	6	7	7	156
State and Local Taxes	1,238	1,616	1,545	1,815	2,287	2,858	43,426
Personal Taxes	149	168	169	191	208	222	4,170
Corporate Taxes	819	1,083	1,019	1,127	1,264	1,400	25,367
Severance Taxes	76	72	81	191	457	795	6,311
Ad Valorem Taxes	56	90	87	106	144	197	2,732
State Royalty Payments	94	152	144	153	163	190	3,681
State Bonus Payments	43	50	46	48	51	54	1,166
Total Government Revenue	2,553	3,163	3,070	3,548	4,314	5,181	82,685
Lease Payments to Private Landowners	32	43	49	61	73	81	1,395

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Maine							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	34	48	56	61	63	63	1,262
Personal Taxes	28	40	47	51	53	53	1,057
Corporate Taxes	6	8	9	10	10	10	206
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	34	44	50	52	50	48	1,074
Personal Taxes	9	13	15	15	15	14	313
Corporate Taxes	24	31	35	37	36	34	762
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	68	92	105	114	113	110	2,337
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Maryland							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	161	231	272	293	298	300	6,045
Personal Taxes	132	192	226	243	246	247	5,005
Corporate Taxes	29	39	46	50	52	53	1,040
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	240	322	369	388	378	367	8,000
Personal Taxes	69	96	110	114	107	99	2,318
Corporate Taxes	171	227	259	274	271	267	5,682
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	401	554	641	681	675	667	14,044
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Massachusetts
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	229	325	379	408	413	411	8,414
Personal Taxes	189	273	317	341	345	342	7,030
Corporate Taxes	40	52	62	67	68	69	1,385
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	188	252	287	300	288	274	6,159
Personal Taxes	85	116	132	136	128	118	2,783
Corporate Taxes	103	135	155	163	160	156	3,376
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	417	577	666	708	701	685	14,574
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Michigan
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	497	734	888	1,021	1,097	1,135	20,880
Personal Taxes	419	616	746	859	923	956	17,568
Corporate Taxes	78	117	142	162	173	179	3,312
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	421	616	724	804	820	813	16,365
Personal Taxes	104	146	173	190	189	182	3,840
Corporate Taxes	317	470	552	614	631	631	12,525
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	919	1,350	1,612	1,825	1,917	1,948	37,244
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Minnesota
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	263	410	494	564	606	629	11,562
Personal Taxes	216	338	408	466	502	523	9,556
Corporate Taxes	47	73	87	98	104	107	2,006
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	263	397	462	505	511	503	10,307
Personal Taxes	91	134	157	170	170	164	3,457
Corporate Taxes	173	263	305	335	341	340	6,851
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	526	807	956	1,070	1,117	1,133	21,870
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Mississippi
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	66	95	113	161	242	336	3,774
Personal Taxes	53	78	93	128	185	253	2,955
Corporate Taxes	13	17	20	33	57	84	818
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	1
State and Local Taxes	102	135	156	261	455	680	6,577
Personal Taxes	8	11	13	18	24	30	392
Corporate Taxes	94	123	142	224	366	522	5,410
Severance Taxes	0	0	0	18	61	117	720
Ad Valorem Taxes	0	0	0	0	2	8	35
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	1	2	3	20
Total Government Revenue	167	229	269	422	698	1,016	10,351
Lease Payments to Private Landowners	0	0	0	2	7	12	80

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Missouri
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	460	671	828	943	966	952	18,846
Personal Taxes	393	570	705	804	824	814	16,062
Corporate Taxes	66	102	123	139	142	138	2,784
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	280	409	488	536	518	485	10,648
Personal Taxes	100	137	166	182	173	159	3,589
Corporate Taxes	180	272	322	354	345	326	7,059
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	740	1,080	1,316	1,479	1,484	1,437	29,495
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Montana
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	150	259	289	328	332	321	6,622
Personal Taxes	104	172	192	218	224	220	4,425
Corporate Taxes	41	79	88	98	96	90	1,950
Federal Royalty Payments	4	6	8	10	10	10	203
Federal Bonus Payments	2	2	2	2	2	2	45
State and Local Taxes	360	623	702	765	743	694	15,680
Personal Taxes	27	41	44	47	44	40	953
Corporate Taxes	233	441	472	505	479	435	10,163
Severance Taxes	75	108	144	165	171	170	3,518
Ad Valorem Taxes	18	26	34	39	40	40	839
State Royalty Payments	1	2	2	3	3	3	58
State Bonus Payments	5	6	6	7	7	6	149
Total Government Revenue	511	882	991	1,092	1,076	1,015	22,302
Lease Payments to Private Landowners	5	7	8	11	12	13	225

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Nebraska
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	80	117	138	153	156	155	3,116
Personal Taxes	65	96	113	126	128	128	2,551
Corporate Taxes	15	22	25	28	28	27	564
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	38	53	61	64	61	58	1,307
Personal Taxes	16	23	26	27	26	24	554
Corporate Taxes	22	31	35	37	36	34	753
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	118	171	198	218	217	213	4,423
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Nevada
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	82	116	144	161	170	177	3,300
Personal Taxes	62	90	111	124	131	137	2,546
Corporate Taxes	19	26	33	37	39	40	754
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	57	77	93	101	103	103	2,075
Personal Taxes	0	0	0	0	0	0	0
Corporate Taxes	57	77	93	101	103	103	2,075
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	139	194	237	262	273	281	5,375
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: New Hampshire							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	40	57	67	72	74	75	1,493
Personal Taxes	33	48	56	60	62	62	1,249
Corporate Taxes	7	9	11	12	12	12	243
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	16	22	25	26	26	25	540
Personal Taxes	1	1	1	1	1	1	22
Corporate Taxes	16	21	24	25	25	24	518
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	56	79	91	98	100	100	2,032
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: New Jersey							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	299	439	530	598	638	670	12,317
Personal Taxes	238	352	422	471	499	519	9,719
Corporate Taxes	61	86	108	126	139	151	2,598
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	262	369	444	495	513	526	10,127
Personal Taxes	80	113	133	143	140	135	2,901
Corporate Taxes	182	256	311	352	373	391	7,226
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	561	808	975	1,093	1,151	1,196	22,443
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: New Mexico
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	410	466	531	635	844	1,012	14,847
Personal Taxes	252	276	308	363	481	598	8,473
Corporate Taxes	78	97	109	130	171	209	2,983
Federal Royalty Payments	53	67	89	113	154	165	2,667
Federal Bonus Payments	26	26	25	29	37	40	723
State and Local Taxes	1,063	1,262	1,400	1,635	2,133	2,585	38,452
Personal Taxes	54	55	60	66	81	93	1,528
Corporate Taxes	784	950	1,032	1,186	1,508	1,803	27,265
Severance Taxes	99	123	165	210	310	420	5,343
Ad Valorem Taxes	27	34	45	58	84	107	1,440
State Royalty Payments	6	8	11	14	19	20	325
State Bonus Payments	93	92	87	102	132	140	2,552
Total Government Revenue	1,473	1,728	1,931	2,270	2,978	3,597	53,299
Lease Payments to Private Landowners	4	5	6	10	17	25	263

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: New York
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	660	946	1,090	1,177	1,185	1,172	24,227
Personal Taxes	541	787	907	978	983	969	20,102
Corporate Taxes	120	159	183	199	203	203	4,125
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	988	1,318	1,483	1,557	1,497	1,426	32,048
Personal Taxes	303	420	473	490	456	418	9,980
Corporate Taxes	685	898	1,009	1,067	1,041	1,008	22,067
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	1,648	2,264	2,573	2,734	2,683	2,598	56,274
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: North Carolina							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	256	367	438	484	500	504	9,921
Personal Taxes	205	299	358	396	409	412	8,094
Corporate Taxes	51	68	81	89	91	92	1,826
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	230	306	354	378	370	356	7,734
Personal Taxes	72	100	117	124	119	112	2,515
Corporate Taxes	158	206	237	254	251	244	5,219
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	486	673	792	862	870	860	17,655
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: North Dakota							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	1,812	3,095	3,688	3,749	2,940	1,958	72,392
Personal Taxes	640	1,543	1,693	1,706	1,328	870	31,977
Corporate Taxes	193	192	209	214	162	105	4,133
Federal Royalty Payments	905	1,270	1,703	1,756	1,402	955	34,655
Federal Bonus Payments	74	90	83	73	48	28	1,627
State and Local Taxes	3,946	5,112	6,472	6,563	5,113	3,405	130,000
Personal Taxes	79	172	181	167	120	73	3,233
Corporate Taxes	832	805	843	829	604	381	16,395
Severance Taxes	1,396	1,916	2,579	2,651	2,105	1,421	52,315
Ad Valorem Taxes	1,055	1,439	1,939	1,993	1,579	1,062	39,302
State Royalty Payments	358	504	676	698	558	381	13,767
State Bonus Payments	226	276	254	225	148	87	4,988
Total Government Revenue	5,758	8,207	10,159	10,312	8,053	5,363	202,392
Lease Payments to Private Landowners	81	120	137	149	117	77	2,919

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Ohio							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	537	1,235	2,150	2,877	3,673	4,218	57,681
Personal Taxes	439	960	1,619	2,152	2,748	3,168	43,440
Corporate Taxes	98	275	530	725	925	1,050	14,241
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	911	2,438	4,594	6,147	7,626	8,453	120,275
Personal Taxes	164	349	573	723	854	915	14,175
Corporate Taxes	738	2,018	3,789	5,048	6,225	6,841	97,967
Severance Taxes	1	14	53	96	154	215	2,185
Ad Valorem Taxes	8	56	176	274	383	471	5,807
State Royalty Payments	0	1	4	7	10	12	141
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	1,448	3,673	6,744	9,024	11,300	12,672	177,956
Lease Payments to Private Landowners	4	22	45	67	96	119	1,490

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.
**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Oklahoma							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	1,069	1,967	2,794	3,537	4,039	4,370	69,919
Personal Taxes	788	1,382	1,950	2,462	2,816	3,058	48,822
Corporate Taxes	269	565	809	1,028	1,167	1,254	20,114
Federal Royalty Payments	8	15	28	40	50	52	833
Federal Bonus Payments	4	5	7	7	7	6	151
State and Local Taxes	1,362	2,876	4,222	5,408	6,129	6,753	108,593
Personal Taxes	168	282	393	480	510	515	9,271
Corporate Taxes	814	1,694	2,358	2,915	3,168	3,294	56,497
Severance Taxes	247	638	1,041	1,439	1,762	2,163	30,657
Ad Valorem Taxes	64	153	254	351	429	517	7,448
State Royalty Payments	31	58	110	155	195	204	3,227
State Bonus Payments	39	53	66	69	66	59	1,493
Total Government Revenue	2,432	4,843	7,016	8,945	10,168	11,123	178,512
Lease Payments to Private Landowners	39	66	106	143	171	189	3,024

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.
**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Oregon
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	115	166	200	226	235	240	4,593
Personal Taxes	92	136	163	184	191	194	3,740
Corporate Taxes	22	31	37	42	44	45	853
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	168	228	267	293	292	288	5,958
Personal Taxes	43	60	71	76	73	69	1,531
Corporate Taxes	125	168	196	217	219	218	4,427
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	282	394	467	519	526	527	10,551
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Pennsylvania
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	1,716	2,545	3,266	4,045	4,940	5,915	85,991
Personal Taxes	1,300	1,937	2,470	3,036	3,683	4,384	64,461
Corporate Taxes	409	589	767	969	1,203	1,461	20,627
Federal Royalty Payments	7	19	28	40	54	70	904
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	1,264	1,846	2,357	2,908	3,421	3,954	60,698
Personal Taxes	342	502	638	772	870	965	15,811
Corporate Taxes	909	1,310	1,669	2,065	2,455	2,864	43,275
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	13	34	50	71	96	125	1,612
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	2,980	4,391	5,623	6,953	8,361	9,869	146,689
Lease Payments to Private Landowners	32	43	60	79	107	136	1,864

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Rhode Island
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	30	43	49	52	52	50	1,072
Personal Taxes	25	36	41	44	43	42	899
Corporate Taxes	5	7	8	8	8	8	173
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	26	34	39	40	38	35	821
Personal Taxes	8	11	12	12	11	10	250
Corporate Taxes	18	24	27	28	26	25	572
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	56	77	87	92	89	86	1,893
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: South Carolina
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	120	172	207	233	246	253	4,776
Personal Taxes	97	141	170	192	203	209	3,931
Corporate Taxes	23	31	36	41	43	44	845
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	132	175	203	222	223	221	4,551
Personal Taxes	21	29	34	37	36	35	745
Corporate Taxes	111	146	169	185	187	186	3,806
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	251	346	410	455	469	474	9,327
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: South Dakota
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	25	36	42	47	48	48	959
Personal Taxes	20	29	34	38	39	39	778
Corporate Taxes	5	7	8	9	9	9	181
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	22	29	33	35	35	34	732
Personal Taxes	0	0	0	0	0	0	0
Corporate Taxes	22	29	33	35	35	34	732
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	47	65	75	82	83	83	1,691
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Tennessee
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	177	254	303	339	355	365	6,962
Personal Taxes	145	211	252	283	297	305	5,802
Corporate Taxes	32	43	50	56	59	60	1,160
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	45	60	69	74	74	74	1,532
Personal Taxes	1	2	2	3	3	2	52
Corporate Taxes	44	57	66	72	72	71	1,480
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	223	313	372	413	430	439	8,494
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Texas							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	11,888	16,313	19,217	20,076	17,821	14,797	394,030
Personal Taxes	8,668	11,555	13,644	14,364	12,904	10,871	282,554
Corporate Taxes	3,180	4,705	5,506	5,636	4,853	3,880	109,993
Federal Royalty Payments	23	36	50	61	53	40	1,145
Federal Bonus Payments	16	17	17	15	11	7	338
State and Local Taxes	10,280	15,697	19,321	20,071	17,261	13,859	396,954
Personal Taxes	0	0	0	0	0	0	0
Corporate Taxes	6,564	9,575	10,910	10,902	9,020	6,974	213,536
Severance Taxes	2,641	4,405	6,038	6,661	6,027	5,065	132,924
Ad Valorem Taxes	963	1,541	2,132	2,262	2,001	1,648	45,495
State Royalty Payments	110	174	239	243	211	170	4,955
State Bonus Payments	2	2	2	2	1	1	44
Total Government Revenue	22,168	32,009	38,538	40,147	35,082	28,656	790,984
Lease Payments to Private Landowners	231	312	408	464	413	330	9,180

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Utah							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	1,301	1,805	1,574	1,154	1,058	1,268	31,193
Personal Taxes	531	837	692	550	619	817	15,090
Corporate Taxes	158	315	258	203	222	291	5,488
Federal Royalty Payments	611	653	624	401	217	159	10,606
Federal Bonus Payments	1	1	0	0	0	0	9
State and Local Taxes	1,100	1,665	1,415	1,067	1,063	1,368	29,457
Personal Taxes	156	245	205	164	173	213	4,345
Corporate Taxes	427	852	681	511	520	655	13,878
Severance Taxes	307	342	321	247	247	349	7,078
Ad Valorem Taxes	107	117	111	85	87	122	2,450
State Royalty Payments	87	95	90	58	32	24	1,535
State Bonus Payments	17	14	7	2	4	5	171
Total Government Revenue	2,401	3,470	2,989	2,221	2,121	2,636	60,650
Lease Payments to Private Landowners	27	28	18	9	21	39	516

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Vermont							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	19	27	32	35	35	34	714
Personal Taxes	16	23	27	30	30	29	602
Corporate Taxes	3	4	5	5	5	5	112
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	13	17	19	20	19	18	406
Personal Taxes	4	6	7	7	6	6	138
Corporate Taxes	9	11	12	13	13	12	268
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	32	44	51	55	54	52	1,120
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Virginia							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	257	373	451	506	540	567	10,447
Personal Taxes	207	305	370	417	445	467	8,588
Corporate Taxes	50	67	80	89	95	100	1,859
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	189	259	303	328	331	331	6,752
Personal Taxes	78	110	131	141	140	136	2,871
Corporate Taxes	111	149	172	187	191	194	3,881
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	446	632	754	834	871	898	17,199
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Washington
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	172	248	298	334	348	356	6,828
Personal Taxes	140	205	247	276	288	294	5,642
Corporate Taxes	32	43	51	58	61	62	1,186
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	41	54	63	69	69	69	1,413
Personal Taxes	0	0	0	0	0	0	0
Corporate Taxes	41	54	63	69	69	69	1,413
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	213	302	361	403	418	425	8,241
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: West Virginia
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	200	402	551	724	939	1,169	15,448
Personal Taxes	141	273	369	479	617	763	10,180
Corporate Taxes	50	105	144	190	246	306	4,016
Federal Royalty Payments	9	24	38	55	76	100	1,253
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	283	629	884	1,186	1,530	1,916	25,491
Personal Taxes	28	53	71	92	110	127	1,870
Corporate Taxes	187	397	533	688	854	1,019	14,287
Severance Taxes	52	138	215	314	436	593	7,189
Ad Valorem Taxes	16	41	64	93	129	175	2,126
State Royalty Payments	0	0	1	1	1	2	20
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	483	1,031	1,435	1,910	2,469	3,085	40,939
Lease Payments to Private Landowners	9	13	20	30	49	76	782

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Wisconsin
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	260	386	452	508	513	502	10,233
Personal Taxes	215	319	374	421	425	417	8,477
Corporate Taxes	45	67	78	87	87	85	1,755
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	329	478	541	584	560	526	11,786
Personal Taxes	76	105	120	128	120	109	2,573
Corporate Taxes	254	372	421	455	439	416	9,212
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	590	864	993	1,091	1,072	1,028	22,018
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil and Gas to Government Revenue and Private Lease Payments: Wyoming
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	617	1,002	956	647	701	886	18,533
Personal Taxes	255	407	371	291	380	522	8,289
Corporate Taxes	110	185	173	136	174	232	3,790
Federal Royalty Payments	233	391	403	216	140	119	6,200
Federal Bonus Payments	19	18	9	4	8	12	253
State and Local Taxes	609	1,024	1,035	780	962	1,343	22,644
Personal Taxes	0	0	0	0	0	0	0
Corporate Taxes	206	348	317	237	283	364	6,613
Severance Taxes	195	329	350	264	330	475	7,798
Ad Valorem Taxes	201	340	362	273	341	491	8,058
State Royalty Payments	2	2	4	4	6	10	112
State Bonus Payments	5	5	2	1	2	3	62
Total Government Revenue	1,226	2,026	1,990	1,427	1,663	2,229	41,177
Lease Payments to Private Landowners	12	14	9	8	21	37	375

NOTES: *Total unconventional activity represents the sum of unconventional oil and unconventional gas activity.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

UNCONVENTIONAL OIL ACTIVITY

Unconventional Oil Employment Contribution: Alphabetical by State

US State-Level Employment Contribution of Unconventional Oil: 2012				
(Number of workers)				
	Direct	Indirect	Induced	Total
Alabama	0	1,614	2,873	4,487
Arizona	1	1,847	3,986	5,834
Arkansas	1,659	1,996	3,018	6,673
California	3,244	16,760	28,493	48,497
Colorado	4,276	5,367	8,121	17,764
Connecticut	0	1,301	2,811	4,113
Delaware	4	288	709	1,000
Florida	137	5,283	12,946	18,367
Georgia	0	2,958	6,255	9,213
Idaho	1	463	1,046	1,510
Illinois	1,108	5,830	10,631	17,569
Indiana	14	2,923	4,802	7,739
Iowa	246	1,388	2,737	4,371
Kansas	1,607	1,817	3,198	6,622
Kentucky	10	1,648	3,005	4,663
Louisiana	1,782	3,884	4,571	10,237
Maine	0	376	1,002	1,377
Maryland	0	1,852	4,016	5,869
Massachusetts	5	2,477	5,425	7,907
Michigan	4,655	5,320	9,902	19,876
Minnesota	2,020	2,996	6,306	11,321
Mississippi	0	785	1,739	2,524
Missouri	6,513	4,256	8,319	19,087
Montana	2,615	2,355	3,587	8,556
Nebraska	514	1,215	1,967	3,696
Nevada	16	1,098	2,009	3,124
New Hampshire	0	497	1,021	1,518
New Jersey	42	3,021	6,606	9,669
New Mexico	5,433	5,011	5,984	16,429
New York	12	6,486	15,694	22,191
North Carolina	0	2,921	6,367	9,288
North Dakota	19,746	23,847	27,499	71,092
Ohio	1,918	6,378	10,255	18,551
Oklahoma	8,361	7,787	10,524	26,673
Oregon	169	1,479	2,941	4,589
Pennsylvania	498	9,416	13,460	23,374
Rhode Island	0	344	780	1,124
South Carolina	2	1,611	2,935	4,549
South Dakota	16	288	713	1,017
Tennessee	3	2,190	4,490	6,683
Texas	102,880	98,385	138,393	339,658
Utah	775	1,924	2,796	5,495
Vermont	0	199	526	725
Virginia	14	2,946	5,795	8,756
Washington	20	2,020	4,572	6,611
West Virginia	16	832	1,218	2,066
Wisconsin	2,091	3,460	6,308	11,859
Wyoming	674	655	699	2,028
US Total	173,097	259,793	413,052	845,941

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Oil: 2015				
(Number of workers)				
	Direct	Indirect	Induced	Total
Alabama	0	2,333	4,144	6,478
Arizona	1	2,688	5,833	8,522
Arkansas	2,121	2,819	4,242	9,182
California	4,170	23,711	40,515	68,396
Colorado	5,750	7,762	11,569	25,081
Connecticut	0	1,819	3,957	5,777
Delaware	21	421	1,030	1,471
Florida	156	7,801	18,890	26,847
Georgia	0	4,311	9,071	13,382
Idaho	1	683	1,526	2,211
Illinois	1,666	8,714	15,488	25,867
Indiana	69	4,182	6,932	11,183
Iowa	378	2,018	3,962	6,357
Kansas	3,757	3,361	5,618	12,736
Kentucky	53	2,376	4,338	6,767
Louisiana	1,109	4,266	6,102	11,476
Maine	0	533	1,427	1,959
Maryland	0	2,693	5,776	8,469
Massachusetts	27	3,550	7,742	11,318
Michigan	6,567	7,782	14,161	28,509
Minnesota	3,403	4,547	9,576	17,526
Mississippi	1	1,144	2,529	3,675
Missouri	8,182	5,855	11,389	25,426
Montana	4,338	3,761	5,517	13,617
Nebraska	727	1,764	2,853	5,344
Nevada	20	1,557	2,950	4,527
New Hampshire	0	712	1,462	2,174
New Jersey	216	4,484	9,622	14,322
New Mexico	5,900	6,052	7,647	19,598
New York	62	9,384	22,604	32,050
North Carolina	0	4,257	9,217	13,474
North Dakota	29,539	34,861	39,916	104,316
Ohio	14,003	14,910	22,884	51,797
Oklahoma	13,741	12,059	16,430	42,231
Oregon	240	2,164	4,282	6,686
Pennsylvania	997	13,270	19,428	33,694
Rhode Island	0	495	1,115	1,610
South Carolina	3	2,332	4,244	6,579
South Dakota	23	418	1,038	1,479
Tennessee	4	3,175	6,483	9,661
Texas	130,175	132,503	190,423	453,102
Utah	1,087	2,800	4,092	7,979
Vermont	0	286	755	1,041
Virginia	72	4,338	8,451	12,861
Washington	28	2,919	6,656	9,603
West Virginia	83	1,244	1,815	3,141
Wisconsin	2,967	4,989	9,102	17,059
Wyoming	954	961	1,018	2,933
US Total	242,607	371,067	595,820	1,209,493

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Oil: 2020				
(Number of workers)				
	Direct	Indirect	Induced	Total
Alabama	0	2,606	4,626	7,231
Arizona	1	3,070	6,732	9,802
Arkansas	2,166	3,093	4,669	9,928
California	4,183	25,751	44,449	74,383
Colorado	6,067	8,645	12,915	27,627
Connecticut	0	1,970	4,295	6,265
Delaware	33	472	1,163	1,669
Florida	150	8,882	21,583	30,615
Georgia	0	4,887	10,316	15,203
Idaho	1	756	1,728	2,486
Illinois	1,899	9,761	17,329	28,989
Indiana	108	4,629	7,767	12,505
Iowa	429	2,232	4,387	7,049
Kansas	5,675	4,626	7,517	17,818
Kentucky	85	2,638	4,899	7,622
Louisiana	1,084	4,609	6,612	12,305
Maine	0	580	1,557	2,137
Maryland	0	2,986	6,416	9,402
Massachusetts	43	3,872	8,456	12,371
Michigan	7,027	8,772	15,658	31,456
Minnesota	3,948	5,143	10,896	19,986
Mississippi	2	1,283	2,872	4,156
Missouri	8,370	6,350	12,375	27,096
Montana	4,584	4,122	6,092	14,798
Nebraska	764	1,949	3,196	5,910
Nevada	21	1,773	3,453	5,247
New Hampshire	0	773	1,614	2,387
New Jersey	349	5,021	10,756	16,126
New Mexico	6,324	6,698	8,490	21,513
New York	100	9,982	24,643	34,725
North Carolina	0	4,765	10,435	15,200
North Dakota	30,813	38,251	43,785	112,849
Ohio	25,747	22,455	34,291	82,492
Oklahoma	18,618	15,949	21,973	56,541
Oregon	254	2,446	4,873	7,574
Pennsylvania	1,283	14,667	21,582	37,532
Rhode Island	0	531	1,203	1,734
South Carolina	3	2,639	4,812	7,454
South Dakota	24	464	1,168	1,656
Tennessee	4	3,545	7,308	10,857
Texas	129,886	139,471	202,799	472,156
Utah	1,139	3,127	4,671	8,936
Vermont	0	315	832	1,147
Virginia	114	4,924	9,575	14,613
Washington	29	3,289	7,482	10,801
West Virginia	134	1,423	2,081	3,638
Wisconsin	3,135	5,521	10,128	18,784
Wyoming	1,014	1,070	1,136	3,220
US Total	265,611	412,783	667,597	1,345,991

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Oil: 2025				
(Number of workers)				
	Direct	Indirect	Induced	Total
Alabama	2	2,867	4,925	7,793
Arizona	1	3,321	7,274	10,596
Arkansas	3,427	4,078	5,796	13,301
California	6,023	28,725	48,717	83,465
Colorado	9,434	12,140	17,821	39,394
Connecticut	0	2,027	4,389	6,417
Delaware	41	489	1,234	1,763
Florida	144	9,561	23,196	32,900
Georgia	0	5,242	10,994	16,236
Idaho	3	814	1,847	2,664
Illinois	2,049	10,451	18,397	30,898
Indiana	140	5,033	8,258	13,432
Iowa	532	2,485	4,752	7,770
Kansas	7,902	6,094	9,561	23,557
Kentucky	104	2,857	5,204	8,164
Louisiana	6,394	7,180	9,681	23,255
Maine	0	608	1,615	2,222
Maryland	0	3,012	6,702	9,714
Massachusetts	54	3,910	8,673	12,637
Michigan	7,384	9,640	16,706	33,730
Minnesota	4,409	5,577	11,845	21,830
Mississippi	959	1,908	3,765	6,633
Missouri	8,515	6,748	13,015	28,278
Montana	5,158	4,686	6,824	16,668
Nebraska	814	2,105	3,399	6,319
Nevada	25	1,886	3,683	5,594
New Hampshire	0	791	1,680	2,471
New Jersey	423	5,210	11,323	16,956
New Mexico	8,496	8,444	10,264	27,205
New York	124	10,089	25,368	35,582
North Carolina	0	4,977	11,054	16,031
North Dakota	30,613	38,207	43,808	112,628
Ohio	30,994	26,576	40,133	97,702
Oklahoma	22,658	19,424	26,780	68,862
Oregon	280	2,650	5,243	8,173
Pennsylvania	1,409	15,144	22,344	38,897
Rhode Island	0	531	1,226	1,757
South Carolina	2	2,848	5,122	7,973
South Dakota	27	487	1,235	1,749
Tennessee	18	3,804	7,737	11,558
Texas	114,983	128,920	185,879	429,782
Utah	3,779	5,708	8,192	17,680
Vermont	0	322	853	1,176
Virginia	137	5,190	10,166	15,492
Washington	55	3,534	7,903	11,492
West Virginia	160	1,533	2,219	3,912
Wisconsin	3,308	5,963	10,860	20,131
Wyoming	3,116	2,193	2,410	7,719
US Total	284,096	435,989	700,070	1,420,155

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Oil: 2030				
(Number of workers)				
	Direct	Indirect	Induced	Total
Alabama	4	3,100	5,071	8,175
Arizona	2	3,541	7,750	11,293
Arkansas	5,613	5,510	7,527	18,650
California	8,544	32,058	53,006	93,608
Colorado	13,872	16,632	24,521	55,025
Connecticut	0	2,075	4,360	6,434
Delaware	50	504	1,281	1,836
Florida	150	10,102	24,315	34,567
Georgia	0	5,510	11,483	16,993
Idaho	5	856	1,922	2,783
Illinois	2,379	11,144	19,173	32,697
Indiana	183	5,371	8,506	14,061
Iowa	601	2,642	4,960	8,203
Kansas	10,585	7,887	11,943	30,415
Kentucky	128	3,065	5,397	8,590
Louisiana	14,571	11,652	15,074	41,296
Maine	0	627	1,637	2,265
Maryland	0	3,041	6,853	9,894
Massachusetts	69	3,918	8,700	12,688
Michigan	7,198	10,217	17,038	34,453
Minnesota	4,310	5,819	12,110	22,239
Mississippi	2,482	2,906	5,163	10,550
Missouri	9,396	7,373	13,957	30,726
Montana	5,183	4,804	6,953	16,940
Nebraska	684	2,053	3,405	6,142
Nevada	30	2,020	3,897	5,947
New Hampshire	0	807	1,713	2,520
New Jersey	520	5,320	11,580	17,420
New Mexico	11,695	11,061	12,930	35,686
New York	156	10,066	25,317	35,539
North Carolina	0	5,128	11,464	16,593
North Dakota	23,074	29,366	33,825	86,265
Ohio	36,077	30,712	45,420	112,209
Oklahoma	26,320	22,718	31,042	80,080
Oregon	248	2,755	5,432	8,435
Pennsylvania	1,661	15,658	22,608	39,927
Rhode Island	0	526	1,223	1,749
South Carolina	3	3,033	5,337	8,372
South Dakota	24	501	1,270	1,794
Tennessee	37	4,051	8,045	12,133
Texas	100,687	120,324	170,679	391,690
Utah	7,752	9,651	13,757	31,160
Vermont	0	326	854	1,180
Virginia	165	5,453	10,583	16,201
Washington	83	3,734	8,117	11,934
West Virginia	193	1,658	2,320	4,172
Wisconsin	2,771	6,012	10,715	19,497
Wyoming	6,253	3,957	4,524	14,733
US Total	303,760	457,245	724,754	1,485,759

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Oil: 2035				
(Number of workers)				
	Direct	Indirect	Induced	Total
Alabama	7	2,962	4,673	7,641
Arizona	2	3,376	7,382	10,760
Arkansas	7,081	6,363	8,468	21,912
California	10,261	32,228	51,956	94,445
Colorado	16,931	19,742	29,082	65,755
Connecticut	0	1,894	3,884	5,778
Delaware	57	467	1,196	1,720
Florida	111	9,553	22,895	32,559
Georgia	0	5,141	10,715	15,857
Idaho	7	800	1,788	2,595
Illinois	2,376	10,628	17,910	30,913
Indiana	218	5,057	7,875	13,151
Iowa	617	2,501	4,672	7,791
Kansas	11,925	8,781	13,013	33,719
Kentucky	146	2,896	4,994	8,037
Louisiana	21,777	15,162	19,205	56,144
Maine	0	571	1,481	2,051
Maryland	0	2,770	6,303	9,074
Massachusetts	81	3,525	7,826	11,432
Michigan	6,329	9,618	15,650	31,597
Minnesota	4,003	5,555	11,362	20,919
Mississippi	3,834	3,673	6,113	13,620
Missouri	8,305	6,826	12,801	27,932
Montana	4,933	4,641	6,638	16,212
Nebraska	515	1,808	3,074	5,397
Nevada	30	1,933	3,721	5,685
New Hampshire	0	736	1,559	2,295
New Jersey	595	4,924	10,697	16,216
New Mexico	12,222	11,518	13,086	36,826
New York	181	8,992	22,748	31,921
North Carolina	0	4,694	10,630	15,324
North Dakota	14,516	18,916	21,911	55,344
Ohio	38,274	32,287	46,862	117,422
Oklahoma	23,483	21,115	28,977	73,576
Oregon	204	2,586	5,085	7,875
Pennsylvania	1,776	14,470	20,614	36,861
Rhode Island	0	467	1,093	1,560
South Carolina	2	2,856	4,959	7,817
South Dakota	19	456	1,166	1,641
Tennessee	54	3,832	7,504	11,389
Texas	74,136	97,709	138,015	309,859
Utah	11,145	13,001	18,373	42,519
Vermont	0	292	763	1,055
Virginia	187	5,146	9,895	15,228
Washington	108	3,510	7,490	11,109
West Virginia	218	1,612	2,195	4,025
Wisconsin	2,016	5,380	9,472	16,868
Wyoming	8,923	5,490	6,353	20,766
US Total	287,606	428,460	674,124	1,390,190

Source: IHS Global Insight

Unconventional Oil Employment Contribution: Ranked by Total Contribution

US State-Level Employment Contribution of Unconventional Oil: 2012				
(Number of workers ranked by total employment contribution)				
	Direct	Indirect	Induced	Total
Texas	102,880	98,385	138,393	339,658
North Dakota	19,746	23,847	27,499	71,092
California	3,244	16,760	28,493	48,497
Oklahoma	8,361	7,787	10,524	26,673
Pennsylvania	498	9,416	13,460	23,374
New York	12	6,486	15,694	22,191
Michigan	4,655	5,320	9,902	19,876
Missouri	6,513	4,256	8,319	19,087
Ohio	1,918	6,378	10,255	18,551
Florida	137	5,283	12,946	18,367
Colorado	4,276	5,367	8,121	17,764
Illinois	1,108	5,830	10,631	17,569
New Mexico	5,433	5,011	5,984	16,429
Wisconsin	2,091	3,460	6,308	11,859
Minnesota	2,020	2,996	6,306	11,321
Louisiana	1,782	3,884	4,571	10,237
New Jersey	42	3,021	6,606	9,669
North Carolina	0	2,921	6,367	9,288
Georgia	0	2,958	6,255	9,213
Virginia	14	2,946	5,795	8,756
Montana	2,615	2,355	3,587	8,556
Massachusetts	5	2,477	5,425	7,907
Indiana	14	2,923	4,802	7,739
Tennessee	3	2,190	4,490	6,683
Arkansas	1,659	1,996	3,018	6,673
Kansas	1,607	1,817	3,198	6,622
Washington	20	2,020	4,572	6,611
Maryland	0	1,852	4,016	5,869
Arizona	1	1,847	3,986	5,834
Utah	775	1,924	2,796	5,495
Kentucky	10	1,648	3,005	4,663
Oregon	169	1,479	2,941	4,589
South Carolina	2	1,611	2,935	4,549
Alabama	0	1,614	2,873	4,487
Iowa	246	1,388	2,737	4,371
Connecticut	0	1,301	2,811	4,113
Nebraska	514	1,215	1,967	3,696
Nevada	16	1,098	2,009	3,124
Mississippi	0	785	1,739	2,524
West Virginia	16	832	1,218	2,066
Wyoming	674	655	699	2,028
New Hampshire	0	497	1,021	1,518
Idaho	1	463	1,046	1,510
Maine	0	376	1,002	1,377
Rhode Island	0	344	780	1,124
South Dakota	16	288	713	1,017
Delaware	4	288	709	1,000
Vermont	0	199	526	725
US Total	173,097	259,793	413,052	845,941

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Oil: 2015				
(Number of workers ranked by total employment contribution)				
	Direct	Indirect	Induced	Total
Texas	130,175	132,503	190,423	453,102
North Dakota	29,539	34,861	39,916	104,316
California	4,170	23,711	40,515	68,396
Ohio	14,003	14,910	22,884	51,797
Oklahoma	13,741	12,059	16,430	42,231
Pennsylvania	997	13,270	19,428	33,694
New York	62	9,384	22,604	32,050
Michigan	6,567	7,782	14,161	28,509
Florida	156	7,801	18,890	26,847
Illinois	1,666	8,714	15,488	25,867
Missouri	8,182	5,855	11,389	25,426
Colorado	5,750	7,762	11,569	25,081
New Mexico	5,900	6,052	7,647	19,598
Minnesota	3,403	4,547	9,576	17,526
Wisconsin	2,967	4,989	9,102	17,059
New Jersey	216	4,484	9,622	14,322
Montana	4,338	3,761	5,517	13,617
North Carolina	0	4,257	9,217	13,474
Georgia	0	4,311	9,071	13,382
Virginia	72	4,338	8,451	12,861
Kansas	3,757	3,361	5,618	12,736
Louisiana	1,109	4,266	6,102	11,476
Massachusetts	27	3,550	7,742	11,318
Indiana	69	4,182	6,932	11,183
Tennessee	4	3,175	6,483	9,661
Washington	28	2,919	6,656	9,603
Arkansas	2,121	2,819	4,242	9,182
Arizona	1	2,688	5,833	8,522
Maryland	0	2,693	5,776	8,469
Utah	1,087	2,800	4,092	7,979
Kentucky	53	2,376	4,338	6,767
Oregon	240	2,164	4,282	6,686
South Carolina	3	2,332	4,244	6,579
Alabama	0	2,333	4,144	6,478
Iowa	378	2,018	3,962	6,357
Connecticut	0	1,819	3,957	5,777
Nebraska	727	1,764	2,853	5,344
Nevada	20	1,557	2,950	4,527
Mississippi	1	1,144	2,529	3,675
West Virginia	83	1,244	1,815	3,141
Wyoming	954	961	1,018	2,933
Idaho	1	683	1,526	2,211
New Hampshire	0	712	1,462	2,174
Maine	0	533	1,427	1,959
Rhode Island	0	495	1,115	1,610
South Dakota	23	418	1,038	1,479
Delaware	21	421	1,030	1,471
Vermont	0	286	755	1,041
US Total	242,607	371,067	595,820	1,209,493

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Oil: 2020				
(Number of workers ranked by total employment contribution)				
	Direct	Indirect	Induced	Total
Texas	129,886	139,471	202,799	472,156
North Dakota	30,813	38,251	43,785	112,849
Ohio	25,747	22,455	34,291	82,492
California	4,183	25,751	44,449	74,383
Oklahoma	18,618	15,949	21,973	56,541
Pennsylvania	1,283	14,667	21,582	37,532
New York	100	9,982	24,643	34,725
Michigan	7,027	8,772	15,658	31,456
Florida	150	8,882	21,583	30,615
Illinois	1,899	9,761	17,329	28,989
Colorado	6,067	8,645	12,915	27,627
Missouri	8,370	6,350	12,375	27,096
New Mexico	6,324	6,698	8,490	21,513
Minnesota	3,948	5,143	10,896	19,986
Wisconsin	3,135	5,521	10,128	18,784
Kansas	5,675	4,626	7,517	17,818
New Jersey	349	5,021	10,756	16,126
Georgia	0	4,887	10,316	15,203
North Carolina	0	4,765	10,435	15,200
Montana	4,584	4,122	6,092	14,798
Virginia	114	4,924	9,575	14,613
Indiana	108	4,629	7,767	12,505
Massachusetts	43	3,872	8,456	12,371
Louisiana	1,084	4,609	6,612	12,305
Tennessee	4	3,545	7,308	10,857
Washington	29	3,289	7,482	10,801
Arkansas	2,166	3,093	4,669	9,928
Arizona	1	3,070	6,732	9,802
Maryland	0	2,986	6,416	9,402
Utah	1,139	3,127	4,671	8,936
Kentucky	85	2,638	4,899	7,622
Oregon	254	2,446	4,873	7,574
South Carolina	3	2,639	4,812	7,454
Alabama	0	2,606	4,626	7,231
Iowa	429	2,232	4,387	7,049
Connecticut	0	1,970	4,295	6,265
Nebraska	764	1,949	3,196	5,910
Nevada	21	1,773	3,453	5,247
Mississippi	2	1,283	2,872	4,156
West Virginia	134	1,423	2,081	3,638
Wyoming	1,014	1,070	1,136	3,220
Idaho	1	756	1,728	2,486
New Hampshire	0	773	1,614	2,387
Maine	0	580	1,557	2,137
Rhode Island	0	531	1,203	1,734
Delaware	33	472	1,163	1,669
South Dakota	24	464	1,168	1,656
Vermont	0	315	832	1,147
US Total	265,611	412,783	667,597	1,345,991

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Oil: 2025				
(Number of workers ranked by total employment contribution)				
	Direct	Indirect	Induced	Total
Texas	114,983	128,920	185,879	429,782
North Dakota	30,613	38,207	43,808	112,628
Ohio	30,994	26,576	40,133	97,702
California	6,023	28,725	48,717	83,465
Oklahoma	22,658	19,424	26,780	68,862
Colorado	9,434	12,140	17,821	39,394
Pennsylvania	1,409	15,144	22,344	38,897
New York	124	10,089	25,368	35,582
Michigan	7,384	9,640	16,706	33,730
Florida	144	9,561	23,196	32,900
Illinois	2,049	10,451	18,397	30,898
Missouri	8,515	6,748	13,015	28,278
New Mexico	8,496	8,444	10,264	27,205
Kansas	7,902	6,094	9,561	23,557
Louisiana	6,394	7,180	9,681	23,255
Minnesota	4,409	5,577	11,845	21,830
Wisconsin	3,308	5,963	10,860	20,131
Utah	3,779	5,708	8,192	17,680
New Jersey	423	5,210	11,323	16,956
Montana	5,158	4,686	6,824	16,668
Georgia	0	5,242	10,994	16,236
North Carolina	0	4,977	11,054	16,031
Virginia	137	5,190	10,166	15,492
Indiana	140	5,033	8,258	13,432
Arkansas	3,427	4,078	5,796	13,301
Massachusetts	54	3,910	8,673	12,637
Tennessee	18	3,804	7,737	11,558
Washington	55	3,534	7,903	11,492
Arizona	1	3,321	7,274	10,596
Maryland	0	3,012	6,702	9,714
Oregon	280	2,650	5,243	8,173
Kentucky	104	2,857	5,204	8,164
South Carolina	2	2,848	5,122	7,973
Alabama	2	2,867	4,925	7,793
Iowa	532	2,485	4,752	7,770
Wyoming	3,116	2,193	2,410	7,719
Mississippi	959	1,908	3,765	6,633
Connecticut	0	2,027	4,389	6,417
Nebraska	814	2,105	3,399	6,319
Nevada	25	1,886	3,683	5,594
West Virginia	160	1,533	2,219	3,912
Idaho	3	814	1,847	2,664
New Hampshire	0	791	1,680	2,471
Maine	0	608	1,615	2,222
Delaware	41	489	1,234	1,763
Rhode Island	0	531	1,226	1,757
South Dakota	27	487	1,235	1,749
Vermont	0	322	853	1,176
US Total	284,096	435,989	700,070	1,420,155

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Oil: 2030				
(Number of workers ranked by total employment contribution)				
	Direct	Indirect	Induced	Total
Texas	100,687	120,324	170,679	391,690
Ohio	36,077	30,712	45,420	112,209
California	8,544	32,058	53,006	93,608
North Dakota	23,074	29,366	33,825	86,265
Oklahoma	26,320	22,718	31,042	80,080
Colorado	13,872	16,632	24,521	55,025
Louisiana	14,571	11,652	15,074	41,296
Pennsylvania	1,661	15,658	22,608	39,927
New Mexico	11,695	11,061	12,930	35,686
New York	156	10,066	25,317	35,539
Florida	150	10,102	24,315	34,567
Michigan	7,198	10,217	17,038	34,453
Illinois	2,379	11,144	19,173	32,697
Utah	7,752	9,651	13,757	31,160
Missouri	9,396	7,373	13,957	30,726
Kansas	10,585	7,887	11,943	30,415
Minnesota	4,310	5,819	12,110	22,239
Wisconsin	2,771	6,012	10,715	19,497
Arkansas	5,613	5,510	7,527	18,650
New Jersey	520	5,320	11,580	17,420
Georgia	0	5,510	11,483	16,993
Montana	5,183	4,804	6,953	16,940
North Carolina	0	5,128	11,464	16,593
Virginia	165	5,453	10,583	16,201
Wyoming	6,253	3,957	4,524	14,733
Indiana	183	5,371	8,506	14,061
Massachusetts	69	3,918	8,700	12,688
Tennessee	37	4,051	8,045	12,133
Washington	83	3,734	8,117	11,934
Arizona	2	3,541	7,750	11,293
Mississippi	2,482	2,906	5,163	10,550
Maryland	0	3,041	6,853	9,894
Kentucky	128	3,065	5,397	8,590
Oregon	248	2,755	5,432	8,435
South Carolina	3	3,033	5,337	8,372
Iowa	601	2,642	4,960	8,203
Alabama	4	3,100	5,071	8,175
Connecticut	0	2,075	4,360	6,434
Nebraska	684	2,053	3,405	6,142
Nevada	30	2,020	3,897	5,947
West Virginia	193	1,658	2,320	4,172
Idaho	5	856	1,922	2,783
New Hampshire	0	807	1,713	2,520
Maine	0	627	1,637	2,265
Delaware	50	504	1,281	1,836
South Dakota	24	501	1,270	1,794
Rhode Island	0	526	1,223	1,749
Vermont	0	326	854	1,180
US Total	303,760	457,245	724,754	1,485,759

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Oil: 2035				
(Number of workers ranked by total employment contribution)				
	Direct	Indirect	Induced	Total
Texas	74,136	97,709	138,015	309,859
Ohio	38,274	32,287	46,862	117,422
California	10,261	32,228	51,956	94,445
Oklahoma	23,483	21,115	28,977	73,576
Colorado	16,931	19,742	29,082	65,755
Louisiana	21,777	15,162	19,205	56,144
North Dakota	14,516	18,916	21,911	55,344
Utah	11,145	13,001	18,373	42,519
Pennsylvania	1,776	14,470	20,614	36,861
New Mexico	12,222	11,518	13,086	36,826
Kansas	11,925	8,781	13,013	33,719
Florida	111	9,553	22,895	32,559
New York	181	8,992	22,748	31,921
Michigan	6,329	9,618	15,650	31,597
Illinois	2,376	10,628	17,910	30,913
Missouri	8,305	6,826	12,801	27,932
Arkansas	7,081	6,363	8,468	21,912
Minnesota	4,003	5,555	11,362	20,919
Wyoming	8,923	5,490	6,353	20,766
Wisconsin	2,016	5,380	9,472	16,868
New Jersey	595	4,924	10,697	16,216
Montana	4,933	4,641	6,638	16,212
Georgia	0	5,141	10,715	15,857
North Carolina	0	4,694	10,630	15,324
Virginia	187	5,146	9,895	15,228
Mississippi	3,834	3,673	6,113	13,620
Indiana	218	5,057	7,875	13,151
Massachusetts	81	3,525	7,826	11,432
Tennessee	54	3,832	7,504	11,389
Washington	108	3,510	7,490	11,109
Arizona	2	3,376	7,382	10,760
Maryland	0	2,770	6,303	9,074
Kentucky	146	2,896	4,994	8,037
Oregon	204	2,586	5,085	7,875
South Carolina	2	2,856	4,959	7,817
Iowa	617	2,501	4,672	7,791
Alabama	7	2,962	4,673	7,641
Connecticut	0	1,894	3,884	5,778
Nevada	30	1,933	3,721	5,685
Nebraska	515	1,808	3,074	5,397
West Virginia	218	1,612	2,195	4,025
Idaho	7	800	1,788	2,595
New Hampshire	0	736	1,559	2,295
Maine	0	571	1,481	2,051
Delaware	57	467	1,196	1,720
South Dakota	19	456	1,166	1,641
Rhode Island	0	467	1,093	1,560
Vermont	0	292	763	1,055
US Total	287,606	428,460	674,124	1,390,190

Source: IHS Global Insight

Unconventional Oil Value Added: Alphabetical by State

US State-Level Value Added Contribution of Unconventional Oil: 2012				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	0	188	269	457
Arizona	0	221	370	591
Arkansas	143	207	235	584
California	337	1,976	2,776	5,090
Colorado	353	663	724	1,740
Connecticut	0	170	272	441
Delaware	0	37	70	107
Florida	9	577	1,217	1,803
Georgia	0	369	613	982
Idaho	0	52	91	143
Illinois	127	682	1,030	1,839
Indiana	1	339	449	788
Iowa	22	146	243	411
Kansas	228	197	270	695
Kentucky	1	201	286	488
Louisiana	158	518	437	1,113
Maine	0	40	87	127
Maryland	0	222	374	596
Massachusetts	0	313	518	831
Michigan	368	592	862	1,822
Minnesota	212	363	561	1,136
Mississippi	0	91	156	246
Missouri	460	451	680	1,590
Montana	695	210	232	1,138
Nebraska	36	133	173	342
Nevada	3	142	180	325
New Hampshire	0	54	91	146
New Jersey	6	414	686	1,106
New Mexico	1,078	490	425	1,993
New York	1	846	1,602	2,449
North Carolina	0	326	652	978
North Dakota	2,918	2,246	1,558	6,723
Ohio	323	717	931	1,971
Oklahoma	1,800	866	757	3,422
Oregon	16	163	267	446
Pennsylvania	53	1,173	1,257	2,483
Rhode Island	0	40	71	111
South Carolina	1	177	272	450
South Dakota	4	32	62	98
Tennessee	0	235	417	652
Texas	37,867	14,245	11,618	63,730
Utah	80	217	251	547
Vermont	0	22	48	70
Virginia	2	369	563	934
Washington	1	224	421	646
West Virginia	4	135	122	260
Wisconsin	224	370	535	1,129
Wyoming	75	102	67	244
US Total	47,605	32,563	35,846	116,014

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Oil: 2015				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	0	289	372	661
Arizona	0	339	520	859
Arkansas	251	310	333	895
California	593	2,977	3,845	7,415
Colorado	794	1,024	1,061	2,879
Connecticut	0	254	365	619
Delaware	3	56	98	157
Florida	14	906	1,701	2,621
Georgia	0	577	850	1,427
Idaho	0	82	127	209
Illinois	266	1,076	1,453	2,794
Indiana	10	512	616	1,137
Iowa	46	224	338	608
Kansas	740	368	459	1,567
Kentucky	5	304	396	704
Louisiana	100	644	575	1,320
Maine	0	60	118	179
Maryland	0	345	515	860
Massachusetts	3	480	706	1,189
Michigan	710	921	1,231	2,862
Minnesota	484	576	839	1,898
Mississippi	0	140	215	356
Missouri	784	655	947	2,386
Montana	1,381	345	385	2,110
Nebraska	69	206	245	519
Nevada	5	211	252	468
New Hampshire	0	83	125	209
New Jersey	40	673	956	1,669
New Mexico	1,175	611	582	2,368
New York	6	1,306	2,207	3,520
North Carolina	0	502	899	1,401
North Dakota	5,748	3,444	2,593	11,784
Ohio	2,675	1,636	1,905	6,216
Oklahoma	3,980	1,416	1,267	6,664
Oregon	30	252	374	656
Pennsylvania	89	1,775	1,747	3,611
Rhode Island	0	61	96	157
South Carolina	1	270	376	647
South Dakota	7	49	87	142
Tennessee	0	361	576	937
Texas	49,799	18,311	16,512	84,623
Utah	160	333	363	856
Vermont	0	34	66	100
Virginia	12	577	784	1,373
Washington	3	345	586	934
West Virginia	25	212	172	409
Wisconsin	431	570	764	1,764
Wyoming	144	161	99	405
US Total	70,584	46,861	51,701	169,146

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Oil: 2020				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	0	329	422	751
Arizona	0	386	609	995
Arkansas	267	345	369	981
California	613	3,271	4,236	8,120
Colorado	863	1,156	1,191	3,210
Connecticut	0	277	398	675
Delaware	6	63	110	179
Florida	14	1,040	1,952	3,006
Georgia	0	665	972	1,638
Idaho	1	93	145	238
Illinois	318	1,206	1,626	3,150
Indiana	16	566	690	1,271
Iowa	53	250	376	679
Kansas	1,232	498	600	2,329
Kentucky	8	334	448	790
Louisiana	100	723	633	1,457
Maine	0	66	130	196
Maryland	0	387	574	962
Massachusetts	5	539	775	1,319
Michigan	785	1,047	1,365	3,197
Minnesota	576	649	958	2,183
Mississippi	1	158	244	403
Missouri	824	711	1,032	2,566
Montana	1,517	380	426	2,323
Nebraska	74	233	275	582
Nevada	5	241	297	542
New Hampshire	0	92	139	231
New Jersey	67	807	1,076	1,950
New Mexico	1,300	684	651	2,634
New York	11	1,418	2,421	3,849
North Carolina	0	563	1,016	1,579
North Dakota	6,252	3,790	2,846	12,888
Ohio	5,392	2,402	2,777	10,572
Oklahoma	5,784	1,854	1,672	9,310
Oregon	33	287	427	747
Pennsylvania	108	2,003	1,954	4,065
Rhode Island	0	66	105	170
South Carolina	1	306	428	736
South Dakota	8	54	97	159
Tennessee	0	405	653	1,058
Texas	53,633	19,554	17,597	90,784
Utah	173	377	418	967
Vermont	0	38	74	112
Virginia	20	659	889	1,568
Washington	3	394	665	1,062
West Virginia	42	244	198	484
Wisconsin	467	639	854	1,960
Wyoming	157	184	112	454
US Total	80,726	52,432	57,924	191,081

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Oil: 2025				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	1	371	455	826
Arizona	0	422	667	1,090
Arkansas	532	436	449	1,418
California	1,084	3,700	4,666	9,450
Colorado	1,815	1,590	1,626	5,031
Connecticut	0	288	408	697
Delaware	7	66	117	191
Florida	14	1,139	2,109	3,262
Georgia	0	727	1,043	1,770
Idaho	1	103	157	261
Illinois	361	1,303	1,730	3,394
Indiana	21	620	735	1,375
Iowa	68	279	407	755
Kansas	1,801	647	750	3,198
Kentucky	10	363	478	851
Louisiana	795	1,014	869	2,678
Maine	0	70	135	205
Maryland	0	399	599	998
Massachusetts	7	565	797	1,369
Michigan	861	1,166	1,462	3,490
Minnesota	670	708	1,044	2,422
Mississippi	234	211	305	751
Missouri	874	757	1,084	2,716
Montana	1,701	428	477	2,606
Nebraska	82	255	293	629
Nevada	6	259	318	583
New Hampshire	0	95	145	241
New Jersey	84	912	1,143	2,139
New Mexico	1,638	831	780	3,249
New York	14	1,470	2,508	3,991
North Carolina	0	594	1,076	1,671
North Dakota	6,372	3,775	2,852	12,999
Ohio	6,738	2,826	3,229	12,793
Oklahoma	7,391	2,241	2,022	11,653
Oregon	38	315	464	817
Pennsylvania	117	2,097	2,035	4,249
Rhode Island	0	67	107	174
South Carolina	1	336	459	796
South Dakota	9	58	103	170
Tennessee	2	440	696	1,138
Texas	47,478	18,104	16,204	81,786
Utah	901	602	667	2,171
Vermont	0	39	76	115
Virginia	25	706	947	1,678
Washington	5	432	709	1,147
West Virginia	52	266	212	530
Wisconsin	513	700	919	2,131
Wyoming	801	298	211	1,310
US Total	83,124	55,092	60,747	198,963

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Oil: 2030				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	2	407	473	882
Arizona	1	457	714	1,172
Arkansas	1,001	564	565	2,130
California	1,798	4,156	5,086	11,040
Colorado	3,299	2,133	2,208	7,640
Connecticut	0	295	406	702
Delaware	9	69	122	199
Florida	15	1,214	2,211	3,439
Georgia	0	775	1,088	1,862
Idaho	2	111	164	277
Illinois	433	1,396	1,802	3,632
Indiana	28	664	757	1,449
Iowa	78	299	424	802
Kansas	2,436	826	923	4,185
Kentucky	12	391	497	900
Louisiana	2,070	1,480	1,266	4,816
Maine	0	73	137	210
Maryland	0	408	610	1,018
Massachusetts	9	582	799	1,390
Michigan	857	1,250	1,496	3,603
Minnesota	665	742	1,072	2,478
Mississippi	659	291	395	1,344
Missouri	977	827	1,155	2,960
Montana	1,676	439	487	2,601
Nebraska	70	256	295	621
Nevada	7	280	336	623
New Hampshire	0	99	148	247
New Jersey	104	1,000	1,177	2,281
New Mexico	2,146	1,044	967	4,156
New York	18	1,488	2,511	4,017
North Carolina	0	615	1,114	1,730
North Dakota	4,838	2,913	2,211	9,962
Ohio	7,799	3,240	3,629	14,668
Oklahoma	8,582	2,597	2,331	13,510
Oregon	35	331	483	849
Pennsylvania	136	2,178	2,067	4,381
Rhode Island	0	67	107	174
South Carolina	1	363	480	844
South Dakota	8	60	106	174
Tennessee	4	471	725	1,200
Texas	38,875	16,760	14,999	70,634
Utah	2,161	937	1,052	4,149
Vermont	0	40	76	116
Virginia	30	744	986	1,761
Washington	8	461	733	1,202
West Virginia	64	287	221	572
Wisconsin	436	719	916	2,071
Wyoming	1,912	465	370	2,747
US Total	83,261	57,263	62,899	203,423

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Oil: 2035				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	3	395	440	837
Arizona	1	441	685	1,127
Arkansas	1,356	629	622	2,607
California	2,354	4,204	5,000	11,558
Colorado	4,474	2,491	2,596	9,561
Connecticut	0	271	363	634
Delaware	10	65	113	188
Florida	11	1,155	2,079	3,245
Georgia	0	731	1,014	1,745
Idaho	3	106	154	262
Illinois	447	1,339	1,683	3,470
Indiana	34	627	701	1,362
Iowa	82	286	400	768
Kansas	2,776	912	995	4,683
Kentucky	14	371	461	846
Louisiana	3,148	1,816	1,552	6,516
Maine	0	67	124	191
Maryland	0	377	562	939
Massachusetts	11	537	721	1,268
Michigan	773	1,193	1,380	3,346
Minnesota	629	710	1,008	2,347
Mississippi	1,027	344	449	1,819
Missouri	881	770	1,059	2,710
Montana	1,557	422	464	2,444
Nebraska	53	233	268	555
Nevada	8	268	320	595
New Hampshire	0	91	135	226
New Jersey	121	987	1,095	2,203
New Mexico	2,155	1,070	974	4,199
New York	21	1,347	2,259	3,627
North Carolina	0	566	1,031	1,597
North Dakota	3,069	1,888	1,442	6,399
Ohio	8,175	3,373	3,718	15,266
Oklahoma	7,937	2,446	2,181	12,564
Oregon	30	313	454	798
Pennsylvania	141	2,024	1,890	4,055
Rhode Island	0	60	96	156
South Carolina	1	347	448	796
South Dakota	6	55	98	159
Tennessee	6	447	677	1,131
Texas	28,100	13,688	12,238	54,026
Utah	3,239	1,208	1,360	5,807
Vermont	0	36	68	104
Virginia	35	708	924	1,667
Washington	10	438	680	1,129
West Virginia	74	278	207	560
Wisconsin	323	657	818	1,799
Wyoming	2,863	600	505	3,967
US Total	75,958	53,390	58,510	187,858

Source: IHS Global Insight

Unconventional Oil Value Added: Ranked by Total Contribution

US State-Level Value Added Contribution of Unconventional Oil: 2012				
(2012 \$M ranked by total value added contribution)				
	Direct	Indirect	Induced	Total
Texas	37,867	14,245	11,618	63,730
North Dakota	2,918	2,246	1,558	6,723
California	337	1,976	2,776	5,090
Oklahoma	1,800	866	757	3,422
Pennsylvania	53	1,173	1,257	2,483
New York	1	846	1,602	2,449
New Mexico	1,078	490	425	1,993
Ohio	323	717	931	1,971
Illinois	127	682	1,030	1,839
Michigan	368	592	862	1,822
Florida	9	577	1,217	1,803
Colorado	353	663	724	1,740
Missouri	460	451	680	1,590
Montana	695	210	232	1,138
Minnesota	212	363	561	1,136
Wisconsin	224	370	535	1,129
Louisiana	158	518	437	1,113
New Jersey	6	414	686	1,106
Georgia	0	369	613	982
North Carolina	0	326	652	978
Virginia	2	369	563	934
Massachusetts	0	313	518	831
Indiana	1	339	449	788
Kansas	228	197	270	695
Tennessee	0	235	417	652
Washington	1	224	421	646
Maryland	0	222	374	596
Arizona	0	221	370	591
Arkansas	143	207	235	584
Utah	80	217	251	547
Kentucky	1	201	286	488
Alabama	0	188	269	457
South Carolina	1	177	272	450
Oregon	16	163	267	446
Connecticut	0	170	272	441
Iowa	22	146	243	411
Nebraska	36	133	173	342
Nevada	3	142	180	325
West Virginia	4	135	122	260
Mississippi	0	91	156	246
Wyoming	75	102	67	244
New Hampshire	0	54	91	146
Idaho	0	52	91	143
Maine	0	40	87	127
Rhode Island	0	40	71	111
Delaware	0	37	70	107
South Dakota	4	32	62	98
Vermont	0	22	48	70
US Total	47,605	32,563	35,846	116,014

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Oil: 2015				
(2012 \$M ranked by total value added contribution)				
	Direct	Indirect	Induced	Total
Texas	49,799	18,311	16,512	84,623
North Dakota	5,748	3,444	2,593	11,784
California	593	2,977	3,845	7,415
Oklahoma	3,980	1,416	1,267	6,664
Ohio	2,675	1,636	1,905	6,216
Pennsylvania	89	1,775	1,747	3,611
New York	6	1,306	2,207	3,520
Colorado	794	1,024	1,061	2,879
Michigan	710	921	1,231	2,862
Illinois	266	1,076	1,453	2,794
Florida	14	906	1,701	2,621
Missouri	784	655	947	2,386
New Mexico	1,175	611	582	2,368
Montana	1,381	345	385	2,110
Minnesota	484	576	839	1,898
Wisconsin	431	570	764	1,764
New Jersey	40	673	956	1,669
Kansas	740	368	459	1,567
Georgia	0	577	850	1,427
North Carolina	0	502	899	1,401
Virginia	12	577	784	1,373
Louisiana	100	644	575	1,320
Massachusetts	3	480	706	1,189
Indiana	10	512	616	1,137
Tennessee	0	361	576	937
Washington	3	345	586	934
Arkansas	251	310	333	895
Maryland	0	345	515	860
Arizona	0	339	520	859
Utah	160	333	363	856
Kentucky	5	304	396	704
Alabama	0	289	372	661
Oregon	30	252	374	656
South Carolina	1	270	376	647
Connecticut	0	254	365	619
Iowa	46	224	338	608
Nebraska	69	206	245	519
Nevada	5	211	252	468
West Virginia	25	212	172	409
Wyoming	144	161	99	405
Mississippi	0	140	215	356
Idaho	0	82	127	209
New Hampshire	0	83	125	209
Maine	0	60	118	179
Delaware	3	56	98	157
Rhode Island	0	61	96	157
South Dakota	7	49	87	142
Vermont	0	34	66	100
US Total	70,584	46,861	51,701	169,146

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Oil: 2020				
(2012 \$M ranked by total value added contribution)				
	Direct	Indirect	Induced	Total
Texas	53,633	19,554	17,597	90,784
North Dakota	6,252	3,790	2,846	12,888
Ohio	5,392	2,402	2,777	10,572
Oklahoma	5,784	1,854	1,672	9,310
California	613	3,271	4,236	8,120
Pennsylvania	108	2,003	1,954	4,065
New York	11	1,418	2,421	3,849
Colorado	863	1,156	1,191	3,210
Michigan	785	1,047	1,365	3,197
Illinois	318	1,206	1,626	3,150
Florida	14	1,040	1,952	3,006
New Mexico	1,300	684	651	2,634
Missouri	824	711	1,032	2,566
Kansas	1,232	498	600	2,329
Montana	1,517	380	426	2,323
Minnesota	576	649	958	2,183
Wisconsin	467	639	854	1,960
New Jersey	67	807	1,076	1,950
Georgia	0	665	972	1,638
North Carolina	0	563	1,016	1,579
Virginia	20	659	889	1,568
Louisiana	100	723	633	1,457
Massachusetts	5	539	775	1,319
Indiana	16	566	690	1,271
Washington	3	394	665	1,062
Tennessee	0	405	653	1,058
Arizona	0	386	609	995
Arkansas	267	345	369	981
Utah	173	377	418	967
Maryland	0	387	574	962
Kentucky	8	334	448	790
Alabama	0	329	422	751
Oregon	33	287	427	747
South Carolina	1	306	428	736
Iowa	53	250	376	679
Connecticut	0	277	398	675
Nebraska	74	233	275	582
Nevada	5	241	297	542
West Virginia	42	244	198	484
Wyoming	157	184	112	454
Mississippi	1	158	244	403
Idaho	1	93	145	238
New Hampshire	0	92	139	231
Maine	0	66	130	196
Delaware	6	63	110	179
Rhode Island	0	66	105	170
South Dakota	8	54	97	159
Vermont	0	38	74	112
US Total	80,726	52,432	57,924	191,081

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Oil: 2025				
(2012 \$M ranked by total value added contribution)				
	Direct	Indirect	Induced	Total
Texas	47,478	18,104	16,204	81,786
North Dakota	6,372	3,775	2,852	12,999
Ohio	6,738	2,826	3,229	12,793
Oklahoma	7,391	2,241	2,022	11,653
California	1,084	3,700	4,666	9,450
Colorado	1,815	1,590	1,626	5,031
Pennsylvania	117	2,097	2,035	4,249
New York	14	1,470	2,508	3,991
Michigan	861	1,166	1,462	3,490
Illinois	361	1,303	1,730	3,394
Florida	14	1,139	2,109	3,262
New Mexico	1,638	831	780	3,249
Kansas	1,801	647	750	3,198
Missouri	874	757	1,084	2,716
Louisiana	795	1,014	869	2,678
Montana	1,701	428	477	2,606
Minnesota	670	708	1,044	2,422
Utah	901	602	667	2,171
New Jersey	84	912	1,143	2,139
Wisconsin	513	700	919	2,131
Georgia	0	727	1,043	1,770
Virginia	25	706	947	1,678
North Carolina	0	594	1,076	1,671
Arkansas	532	436	449	1,418
Indiana	21	620	735	1,375
Massachusetts	7	565	797	1,369
Wyoming	801	298	211	1,310
Washington	5	432	709	1,147
Tennessee	2	440	696	1,138
Arizona	0	422	667	1,090
Maryland	0	399	599	998
Kentucky	10	363	478	851
Alabama	1	371	455	826
Oregon	38	315	464	817
South Carolina	1	336	459	796
Iowa	68	279	407	755
Mississippi	234	211	305	751
Connecticut	0	288	408	697
Nebraska	82	255	293	629
Nevada	6	259	318	583
West Virginia	52	266	212	530
Idaho	1	103	157	261
New Hampshire	0	95	145	241
Maine	0	70	135	205
Delaware	7	66	117	191
Rhode Island	0	67	107	174
South Dakota	9	58	103	170
Vermont	0	39	76	115
US Total	83,124	55,092	60,747	198,963

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Oil: 2030				
(2012 \$M ranked by total value added contribution)				
	Direct	Indirect	Induced	Total
Texas	38,875	16,760	14,999	70,634
Ohio	7,799	3,240	3,629	14,668
Oklahoma	8,582	2,597	2,331	13,510
California	1,798	4,156	5,086	11,040
North Dakota	4,838	2,913	2,211	9,962
Colorado	3,299	2,133	2,208	7,640
Louisiana	2,070	1,480	1,266	4,816
Pennsylvania	136	2,178	2,067	4,381
Kansas	2,436	826	923	4,185
New Mexico	2,146	1,044	967	4,156
Utah	2,161	937	1,052	4,149
New York	18	1,488	2,511	4,017
Illinois	433	1,396	1,802	3,632
Michigan	857	1,250	1,496	3,603
Florida	15	1,214	2,211	3,439
Missouri	977	827	1,155	2,960
Wyoming	1,912	465	370	2,747
Montana	1,676	439	487	2,601
Minnesota	665	742	1,072	2,478
New Jersey	104	1,000	1,177	2,281
Arkansas	1,001	564	565	2,130
Wisconsin	436	719	916	2,071
Georgia	0	775	1,088	1,862
Virginia	30	744	986	1,761
North Carolina	0	615	1,114	1,730
Indiana	28	664	757	1,449
Massachusetts	9	582	799	1,390
Mississippi	659	291	395	1,344
Washington	8	461	733	1,202
Tennessee	4	471	725	1,200
Arizona	1	457	714	1,172
Maryland	0	408	610	1,018
Kentucky	12	391	497	900
Alabama	2	407	473	882
Oregon	35	331	483	849
South Carolina	1	363	480	844
Iowa	78	299	424	802
Connecticut	0	295	406	702
Nevada	7	280	336	623
Nebraska	70	256	295	621
West Virginia	64	287	221	572
Idaho	2	111	164	277
New Hampshire	0	99	148	247
Maine	0	73	137	210
Delaware	9	69	122	199
South Dakota	8	60	106	174
Rhode Island	0	67	107	174
Vermont	0	40	76	116
US Total	83,261	57,263	62,899	203,423

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Oil: 2035				
(2012 \$M ranked by total value added contribution)				
	Direct	Indirect	Induced	Total
Texas	28,100	13,688	12,238	54,026
Ohio	8,175	3,373	3,718	15,266
Oklahoma	7,937	2,446	2,181	12,564
California	2,354	4,204	5,000	11,558
Colorado	4,474	2,491	2,596	9,561
Louisiana	3,148	1,816	1,552	6,516
North Dakota	3,069	1,888	1,442	6,399
Utah	3,239	1,208	1,360	5,807
Kansas	2,776	912	995	4,683
New Mexico	2,155	1,070	974	4,199
Pennsylvania	141	2,024	1,890	4,055
Wyoming	2,863	600	505	3,967
New York	21	1,347	2,259	3,627
Illinois	447	1,339	1,683	3,470
Michigan	773	1,193	1,380	3,346
Florida	11	1,155	2,079	3,245
Missouri	881	770	1,059	2,710
Arkansas	1,356	629	622	2,607
Montana	1,557	422	464	2,444
Minnesota	629	710	1,008	2,347
New Jersey	121	987	1,095	2,203
Mississippi	1,027	344	449	1,819
Wisconsin	323	657	818	1,799
Georgia	0	731	1,014	1,745
Virginia	35	708	924	1,667
North Carolina	0	566	1,031	1,597
Indiana	34	627	701	1,362
Massachusetts	11	537	721	1,268
Tennessee	6	447	677	1,131
Washington	10	438	680	1,129
Arizona	1	441	685	1,127
Maryland	0	377	562	939
Kentucky	14	371	461	846
Alabama	3	395	440	837
Oregon	30	313	454	798
South Carolina	1	347	448	796
Iowa	82	286	400	768
Connecticut	0	271	363	634
Nevada	8	268	320	595
West Virginia	74	278	207	560
Nebraska	53	233	268	555
Idaho	3	106	154	262
New Hampshire	0	91	135	226
Maine	0	67	124	191
Delaware	10	65	113	188
South Dakota	6	55	98	159
Rhode Island	0	60	96	156
Vermont	0	36	68	104
US Total	75,958	53,390	58,510	187,858

Source: IHS Global Insight

Unconventional Oil Labor Income: Alphabetical by State

US State-Level Labor Income Contribution of Unconventional Oil: 2012				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	0	123	153	276
Arizona	0	135	208	343
Arkansas	107	131	138	376
California	245	1,276	1,565	3,086
Colorado	282	405	401	1,089
Connecticut	0	106	166	272
Delaware	0	24	41	66
Florida	9	376	670	1,054
Georgia	0	225	345	570
Idaho	0	34	53	87
Illinois	97	452	597	1,147
Indiana	1	221	260	483
Iowa	16	95	137	248
Kansas	106	123	151	380
Kentucky	0	126	160	286
Louisiana	103	305	242	650
Maine	0	27	51	78
Maryland	0	147	220	366
Massachusetts	0	208	315	524
Michigan	315	384	500	1,199
Minnesota	163	227	324	715
Mississippi	0	58	89	146
Missouri	386	296	388	1,071
Montana	271	119	131	521
Nebraska	24	83	100	207
Nevada	1	75	95	172
New Hampshire	0	37	54	91
New Jersey	5	249	391	644
New Mexico	451	302	241	994
New York	1	560	939	1,500
North Carolina	0	222	346	567
North Dakota	1,331	1,301	931	3,562
Ohio	144	476	544	1,164
Oklahoma	852	480	422	1,754
Oregon	9	107	147	262
Pennsylvania	38	754	747	1,539
Rhode Island	0	27	42	69
South Carolina	0	114	154	268
South Dakota	1	20	35	56
Tennessee	0	158	240	399
Texas	16,043	7,478	6,377	29,897
Utah	50	132	142	324
Vermont	0	15	28	44
Virginia	1	241	316	559
Washington	1	151	237	390
West Virginia	2	73	67	143
Wisconsin	171	240	310	721
Wyoming	42	51	34	128
US Total	21,272	18,974	20,242	60,488

Source: IHS Global Insight

US State-Level Labor Income Contribution of Unconventional Oil: 2015				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	0	184	224	408
Arizona	0	204	309	513
Arkansas	160	192	198	550
California	366	1,870	2,258	4,495
Colorado	544	608	582	1,734
Connecticut	0	155	237	392
Delaware	2	37	61	100
Florida	12	576	993	1,581
Georgia	0	340	509	849
Idaho	0	53	78	131
Illinois	173	699	882	1,754
Indiana	5	327	380	712
Iowa	29	142	200	371
Kansas	290	227	257	774
Kentucky	2	187	234	424
Louisiana	53	358	331	741
Maine	0	40	73	113
Maryland	0	221	321	542
Massachusetts	3	309	456	768
Michigan	518	582	724	1,824
Minnesota	319	353	495	1,167
Mississippi	0	87	131	218
Missouri	564	422	542	1,529
Montana	481	194	203	877
Nebraska	40	125	147	312
Nevada	2	110	140	252
New Hampshire	0	55	79	134
New Jersey	27	382	576	985
New Mexico	414	374	314	1,102
New York	5	841	1,373	2,219
North Carolina	0	334	508	842
North Dakota	5,340	1,950	1,365	8,655
Ohio	1,010	1,055	1,109	3,175
Oklahoma	1,562	762	661	2,985
Oregon	15	162	217	393
Pennsylvania	55	1,108	1,092	2,255
Rhode Island	0	40	61	101
South Carolina	0	171	226	397
South Dakota	2	30	52	83
Tennessee	0	238	353	591
Texas	18,463	9,679	8,567	36,710
Utah	87	198	212	497
Vermont	0	23	42	65
Virginia	7	369	467	842
Washington	2	229	350	581
West Virginia	12	112	100	224
Wisconsin	283	360	454	1,097
Wyoming	70	78	51	199
US Total	30,915	27,150	29,195	87,260

Source: IHS Global Insight

US State-Level Labor Income Contribution of Unconventional Oil: 2020				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	0	208	253	461
Arizona	0	234	362	596
Arkansas	169	212	219	600
California	379	2,040	2,483	4,902
Colorado	592	682	654	1,928
Connecticut	0	168	257	425
Delaware	3	42	69	114
Florida	12	660	1,141	1,813
Georgia	0	386	582	969
Idaho	0	59	89	148
Illinois	206	784	988	1,978
Indiana	9	361	427	796
Iowa	33	158	223	413
Kansas	467	307	334	1,108
Kentucky	4	207	265	476
Louisiana	53	396	363	812
Maine	0	44	81	124
Maryland	0	247	357	604
Massachusetts	5	339	500	844
Michigan	573	658	802	2,033
Minnesota	381	399	563	1,344
Mississippi	0	98	149	247
Missouri	595	459	591	1,645
Montana	528	213	224	965
Nebraska	43	141	166	350
Nevada	2	126	164	292
New Hampshire	0	60	87	147
New Jersey	45	431	646	1,121
New Mexico	457	417	351	1,225
New York	8	906	1,502	2,416
North Carolina	0	374	577	951
North Dakota	5,856	2,143	1,498	9,497
Ohio	1,974	1,538	1,583	5,095
Oklahoma	2,198	994	870	4,062
Oregon	16	183	248	447
Pennsylvania	67	1,235	1,215	2,517
Rhode Island	0	43	66	109
South Carolina	0	194	258	452
South Dakota	2	33	58	94
Tennessee	0	268	399	668
Texas	19,640	10,242	9,145	39,026
Utah	94	224	244	563
Vermont	0	26	47	73
Virginia	11	424	531	966
Washington	2	261	397	660
West Virginia	20	128	115	263
Wisconsin	308	401	509	1,218
Wyoming	76	89	57	223
US Total	34,827	30,243	32,709	97,779

Source: IHS Global Insight

US State-Level Labor Income Contribution of Unconventional Oil: 2025				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	0	232	272	505
Arizona	0	256	396	652
Arkansas	282	268	261	811
California	601	2,286	2,715	5,603
Colorado	1,030	943	882	2,856
Connecticut	0	173	263	436
Delaware	3	44	74	122
Florida	12	718	1,231	1,961
Georgia	0	420	626	1,046
Idaho	0	64	96	160
Illinois	235	846	1,051	2,132
Indiana	12	394	455	861
Iowa	43	177	241	461
Kansas	684	400	414	1,498
Kentucky	5	225	284	513
Louisiana	315	568	486	1,369
Maine	0	46	84	131
Maryland	0	250	370	620
Massachusetts	6	347	514	867
Michigan	630	730	858	2,219
Minnesota	445	434	611	1,491
Mississippi	91	131	182	403
Missouri	633	488	621	1,743
Montana	602	241	251	1,094
Nebraska	48	154	178	380
Nevada	2	135	176	313
New Hampshire	0	62	90	153
New Jersey	56	456	682	1,195
New Mexico	592	509	416	1,517
New York	11	930	1,547	2,488
North Carolina	0	393	613	1,006
North Dakota	5,896	2,139	1,501	9,536
Ohio	2,482	1,804	1,827	6,114
Oklahoma	2,780	1,202	1,049	5,031
Oregon	19	200	267	486
Pennsylvania	72	1,283	1,258	2,614
Rhode Island	0	44	67	111
South Carolina	0	212	276	489
South Dakota	3	35	62	99
Tennessee	1	291	426	718
Texas	17,657	9,504	8,440	35,601
Utah	373	366	378	1,118
Vermont	0	27	48	75
Virginia	14	455	567	1,035
Washington	4	283	422	709
West Virginia	25	139	122	286
Wisconsin	340	438	547	1,325
Wyoming	319	156	103	578
US Total	36,325	31,900	34,303	102,528

Source: IHS Global Insight

US State-Level Labor Income Contribution of Unconventional Oil: 2030				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	1	253	283	536
Arizona	0	276	424	700
Arkansas	487	346	322	1,155
California	935	2,548	2,944	6,427
Colorado	1,690	1,272	1,189	4,151
Connecticut	0	177	261	438
Delaware	4	46	77	127
Florida	13	759	1,292	2,064
Georgia	0	442	655	1,097
Idaho	1	68	100	169
Illinois	288	905	1,094	2,287
Indiana	16	422	470	907
Iowa	51	189	252	492
Kansas	954	511	506	1,972
Kentucky	6	242	295	543
Louisiana	807	849	692	2,349
Maine	0	48	86	134
Maryland	0	253	376	628
Massachusetts	8	350	517	875
Michigan	642	779	880	2,302
Minnesota	454	455	627	1,536
Mississippi	257	180	228	665
Missouri	730	532	660	1,922
Montana	616	248	256	1,121
Nebraska	42	155	181	378
Nevada	3	145	186	334
New Hampshire	0	64	92	156
New Jersey	72	471	699	1,243
New Mexico	808	644	511	1,963
New York	14	935	1,544	2,493
North Carolina	0	406	636	1,042
North Dakota	4,559	1,651	1,165	7,375
Ohio	2,981	2,067	2,044	7,093
Oklahoma	3,309	1,397	1,209	5,915
Oregon	19	208	277	504
Pennsylvania	86	1,325	1,271	2,682
Rhode Island	0	43	67	111
South Carolina	0	228	290	518
South Dakota	2	36	63	102
Tennessee	3	311	444	757
Texas	15,424	8,906	7,839	32,169
Utah	854	579	584	2,017
Vermont	0	27	48	75
Virginia	17	480	591	1,089
Washington	7	299	436	742
West Virginia	32	149	127	308
Wisconsin	297	448	549	1,294
Wyoming	740	258	177	1,174
US Total	37,229	33,382	35,519	106,130

Source: IHS Global Insight

US State-Level Labor Income Contribution of Unconventional Oil: 2035				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	1	243	263	507
Arizona	0	265	408	673
Arkansas	644	386	349	1,378
California	1,200	2,559	2,878	6,637
Colorado	2,218	1,493	1,391	5,102
Connecticut	0	161	233	394
Delaware	5	43	71	120
Florida	10	715	1,216	1,941
Georgia	0	414	613	1,027
Idaho	1	64	94	158
Illinois	303	866	1,021	2,190
Indiana	19	397	436	852
Iowa	55	180	237	472
Kansas	1,119	565	543	2,226
Kentucky	7	229	274	510
Louisiana	1,250	1,058	838	3,146
Maine	0	44	78	123
Maryland	0	231	345	576
Massachusetts	10	317	466	793
Michigan	591	740	812	2,143
Minnesota	440	435	590	1,464
Mississippi	413	213	253	879
Missouri	675	494	606	1,775
Montana	595	239	245	1,079
Nebraska	32	141	166	339
Nevada	3	139	178	319
New Hampshire	0	58	84	143
New Jersey	86	441	647	1,174
New Mexico	844	661	512	2,017
New York	17	838	1,385	2,240
North Carolina	0	371	591	962
North Dakota	2,938	1,069	761	4,769
Ohio	3,250	2,152	2,083	7,485
Oklahoma	3,118	1,308	1,131	5,556
Oregon	17	195	259	472
Pennsylvania	92	1,222	1,154	2,468
Rhode Island	0	39	60	99
South Carolina	0	217	272	489
South Dakota	2	33	58	94
Tennessee	4	295	415	713
Texas	11,755	7,306	6,424	25,484
Utah	1,294	753	746	2,792
Vermont	0	24	43	67
Virginia	20	457	556	1,033
Washington	9	283	405	697
West Virginia	37	144	119	301
Wisconsin	226	408	493	1,127
Wyoming	1,125	343	239	1,707
US Total	34,424	31,245	33,040	98,709

Source: IHS Global Insight

Unconventional Oil Government Revenue and Private Lease Payments by State

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Alabama (2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	60	87	99	109	116	110	2,263
Personal Taxes	49	72	81	89	95	90	1,860
Corporate Taxes	11	15	17	19	21	20	403
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	74	100	110	116	119	110	2,436
Personal Taxes	12	15	17	17	16	14	354
Corporate Taxes	62	84	93	99	103	95	2,082
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	134	187	209	224	235	220	4,699
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Arizona (2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	76	112	129	142	153	147	2,955
Personal Taxes	61	91	105	115	124	120	2,403
Corporate Taxes	15	21	24	26	28	27	552
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	82	111	124	129	133	124	2,728
Personal Taxes	14	18	20	20	20	18	430
Corporate Taxes	69	93	104	109	113	106	2,298
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	158	223	253	271	286	271	5,682
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Arkansas							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	79	118	129	180	264	319	4,114
Personal Taxes	67	97	106	143	205	245	3,264
Corporate Taxes	13	21	23	37	59	74	850
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	1
State and Local Taxes	50	75	79	130	220	289	3,177
Personal Taxes	17	23	24	29	39	43	663
Corporate Taxes	32	52	55	85	131	161	1,948
Severance Taxes	0	0	0	15	49	83	553
Ad Valorem Taxes	0	0	0	0	1	2	13
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	129	193	208	310	483	608	7,291
Lease Payments to Private Landowners	0	0	0	2	6	10	69

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: California							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	668	971	1,060	1,243	1,480	1,581	26,967
Personal Taxes	547	795	866	991	1,140	1,179	21,273
Corporate Taxes	121	176	194	232	278	297	4,992
Federal Royalty Payments	0	0	0	19	61	105	698
Federal Bonus Payments	0	0	0	0	0	0	3
State and Local Taxes	808	1,116	1,178	1,321	1,503	1,539	28,681
Personal Taxes	266	348	364	382	405	388	8,272
Corporate Taxes	542	767	814	933	1,079	1,118	20,187
Severance Taxes	0	0	0	0	2	3	19
Ad Valorem Taxes	0	0	0	4	13	22	147
State Royalty Payments	0	0	0	2	5	8	55
State Bonus Payments	-	-	-	-	-	-	-
Total Government Revenue	1,476	2,087	2,238	2,564	2,984	3,120	55,648
Lease Payments to Private Landowners	0	0	0	3	8	13	92

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Colorado							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	232	376	418	637	947	1,176	14,303
Personal Taxes	193	307	341	505	736	906	11,306
Corporate Taxes	39	69	77	131	211	269	2,997
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	141	224	240	443	785	1,073	10,981
Personal Taxes	62	89	95	129	173	197	2,832
Corporate Taxes	79	135	145	237	366	454	5,346
Severance Taxes	0	0	0	37	119	204	1,353
Ad Valorem Taxes	0	0	0	40	127	218	1,449
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	1
Total Government Revenue	374	600	658	1,079	1,732	2,248	25,283
Lease Payments to Private Landowners	0	0	0	7	18	29	206

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Connecticut							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	58	83	90	93	94	84	1,956
Personal Taxes	48	69	75	77	78	70	1,626
Corporate Taxes	10	14	15	16	16	14	330
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	62	81	85	83	80	69	1,782
Personal Taxes	24	31	32	30	28	24	655
Corporate Taxes	38	50	53	53	52	46	1,127
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	121	164	175	176	173	154	3,738
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Delaware							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	14	21	24	26	27	25	536
Personal Taxes	12	18	20	22	23	21	449
Corporate Taxes	2	3	4	4	4	4	88
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	18	24	26	26	26	24	554
Personal Taxes	5	7	7	7	7	6	150
Corporate Taxes	13	17	19	19	19	18	404
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	32	45	50	52	53	49	1,090
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.
**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Florida							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	232	342	392	425	449	424	8,838
Personal Taxes	187	280	320	347	366	345	7,205
Corporate Taxes	45	63	72	78	83	79	1,633
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	86	116	128	134	136	125	2,811
Personal Taxes	0	0	0	0	0	0	0
Corporate Taxes	86	116	128	134	136	125	2,811
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	318	458	520	559	585	549	11,649
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.
**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Georgia							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	126	185	211	229	241	226	4,752
Personal Taxes	101	150	171	185	195	182	3,843
Corporate Taxes	25	35	40	44	46	43	909
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	128	173	192	197	198	178	4,139
Personal Taxes	39	52	57	56	55	47	1,188
Corporate Taxes	89	121	135	140	143	130	2,951
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	254	358	404	425	438	403	8,891
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Idaho							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	19	28	32	34	36	34	716
Personal Taxes	15	23	26	28	30	28	590
Corporate Taxes	3	5	5	6	7	6	126
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	25	34	38	40	41	38	834
Personal Taxes	5	6	7	7	7	6	146
Corporate Taxes	20	28	31	33	34	32	688
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	44	62	69	74	77	72	1,550
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Illinois							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	245	373	420	453	487	466	9,532
Personal Taxes	203	310	349	377	406	389	7,934
Corporate Taxes	42	63	71	76	81	77	1,598
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	199	286	310	317	323	296	6,737
Personal Taxes	52	71	77	76	76	67	1,626
Corporate Taxes	147	215	233	241	248	229	5,111
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	444	659	730	770	810	762	16,269
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Indiana							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	104	152	169	183	194	182	3,832
Personal Taxes	86	126	141	152	161	151	3,183
Corporate Taxes	18	26	29	31	33	31	649
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	77	103	111	114	114	103	2,409
Personal Taxes	26	34	37	37	36	31	776
Corporate Taxes	51	69	74	77	78	72	1,633
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	181	255	280	297	308	285	6,241
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Iowa							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	54	80	89	99	106	102	2,062
Personal Taxes	44	66	73	82	87	84	1,695
Corporate Taxes	10	14	16	18	19	18	368
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	26	35	38	40	40	36	832
Personal Taxes	12	17	18	18	18	16	384
Corporate Taxes	13	19	20	21	22	20	448
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	80	115	127	139	146	138	2,895
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Kansas							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	89	192	286	393	521	591	8,131
Personal Taxes	67	137	196	265	350	396	5,496
Corporate Taxes	19	48	74	103	134	148	2,064
Federal Royalty Payments	3	7	16	26	37	47	571
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	71	168	292	419	569	669	8,943
Personal Taxes	21	39	54	67	81	85	1,366
Corporate Taxes	25	62	92	123	155	167	2,465
Severance Taxes	13	37	81	128	186	233	2,852
Ad Valorem Taxes	10	27	60	94	137	171	2,100
State Royalty Payments	1	2	4	7	10	13	155
State Bonus Payments	0	0	0	0	0	0	4
Total Government Revenue	160	360	578	812	1,089	1,259	17,074
Lease Payments to Private Landowners	3	6	9	13	18	22	304

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Kentucky							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	63	92	103	111	118	111	2,328
Personal Taxes	51	75	84	91	96	91	1,901
Corporate Taxes	12	17	19	20	22	20	428
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	72	97	105	107	108	98	2,277
Personal Taxes	17	23	25	24	24	21	520
Corporate Taxes	55	74	80	83	84	77	1,758
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	135	189	208	218	226	209	4,606
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Louisiana							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	143	166	182	322	567	765	7,871
Personal Taxes	115	131	143	242	417	559	5,901
Corporate Taxes	28	35	39	79	149	203	1,953
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	1	2	2	17
State and Local Taxes	94	110	118	343	781	1,171	9,745
Personal Taxes	23	24	25	38	61	75	906
Corporate Taxes	71	87	93	181	329	436	4,402
Severance Taxes	0	0	0	106	337	571	3,827
Ad Valorem Taxes	0	0	0	13	43	73	484
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	4	12	16	126
Total Government Revenue	237	276	300	665	1,348	1,936	17,616
Lease Payments to Private Landowners	0	0	0	7	18	29	206

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Maine							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	17	24	26	28	28	26	580
Personal Taxes	14	20	22	23	24	22	485
Corporate Taxes	3	4	4	5	5	4	95
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	17	22	23	23	22	19	487
Personal Taxes	5	7	7	7	7	6	153
Corporate Taxes	11	15	16	16	15	13	333
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	34	46	49	50	50	45	1,067
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.
**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Maryland							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	79	115	128	132	135	124	2,784
Personal Taxes	65	96	107	110	111	102	2,307
Corporate Taxes	14	19	22	23	24	22	477
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	119	159	171	170	166	147	3,613
Personal Taxes	40	53	56	53	50	42	1,140
Corporate Taxes	79	106	115	117	116	105	2,473
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	198	274	300	302	301	271	6,397
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.
**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Massachusetts							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	111	161	178	184	186	170	3,859
Personal Taxes	93	136	149	153	155	141	3,227
Corporate Taxes	19	25	29	30	31	29	632
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	96	127	136	133	128	111	2,827
Personal Taxes	48	64	67	63	59	50	1,364
Corporate Taxes	47	63	68	69	68	61	1,463
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	207	288	313	316	314	281	6,686
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Michigan							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	250	385	429	469	487	453	9,679
Personal Taxes	213	323	359	392	408	381	8,112
Corporate Taxes	38	63	70	77	79	73	1,567
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	210	325	350	363	356	316	7,529
Personal Taxes	62	84	90	90	86	75	1,891
Corporate Taxes	149	241	261	273	269	242	5,638
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	461	711	780	832	842	770	17,208
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Minnesota							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	152	251	288	320	329	313	6,497
Personal Taxes	127	207	237	264	272	260	5,366
Corporate Taxes	25	44	51	56	57	53	1,131
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	152	243	268	281	272	245	5,745
Personal Taxes	60	88	97	99	94	83	2,044
Corporate Taxes	92	155	171	182	178	162	3,701
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	304	494	556	601	601	558	12,241
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.
**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Mississippi							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	32	47	53	92	159	213	2,210
Personal Taxes	26	39	44	71	118	156	1,688
Corporate Taxes	6	8	9	21	41	57	522
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	1
State and Local Taxes	48	64	70	164	330	463	4,212
Personal Taxes	5	6	7	10	15	19	232
Corporate Taxes	43	58	63	135	255	343	3,304
Severance Taxes	0	0	0	18	57	97	646
Ad Valorem Taxes	0	0	0	0	1	2	13
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	1	2	2	17
Total Government Revenue	80	111	123	257	489	676	6,422
Lease Payments to Private Landowners	0	0	0	2	6	10	69

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.
**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Missouri							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	221	322	346	367	404	372	7,895
Personal Taxes	190	271	291	308	341	315	6,653
Corporate Taxes	31	52	56	59	63	56	1,242
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	139	205	212	212	217	189	4,576
Personal Taxes	56	72	75	73	74	63	1,593
Corporate Taxes	83	133	138	139	143	125	2,983
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	360	528	558	579	621	561	12,471
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Montana							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	136	238	262	296	300	286	5,992
Personal Taxes	92	155	171	194	199	192	3,930
Corporate Taxes	37	74	82	91	89	82	1,815
Federal Royalty Payments	4	6	8	10	10	10	203
Federal Bonus Payments	2	2	2	2	2	2	45
State and Local Taxes	337	592	664	722	701	649	14,815
Personal Taxes	25	38	40	42	39	35	857
Corporate Taxes	213	413	438	467	441	395	9,395
Severance Taxes	75	108	144	165	171	170	3,518
Ad Valorem Taxes	18	26	34	39	40	40	839
State Royalty Payments	1	2	2	3	3	3	58
State Bonus Payments	5	6	6	7	7	6	149
Total Government Revenue	473	829	926	1,018	1,001	935	20,808
Lease Payments to Private Landowners	5	7	8	11	12	13	225

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Nebraska							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	45	68	76	82	82	73	1,669
Personal Taxes	37	55	62	67	67	60	1,365
Corporate Taxes	8	13	14	15	15	13	304
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	22	31	34	34	32	27	702
Personal Taxes	10	14	15	15	14	12	313
Corporate Taxes	11	17	18	19	18	15	388
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	67	99	109	116	113	100	2,371
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.
**2012-2035 represents the total for all years including those years not reported.
Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Nevada							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	40	58	67	72	77	73	1,502
Personal Taxes	30	45	52	55	59	57	1,161
Corporate Taxes	9	13	15	16	17	17	341
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	27	36	41	42	43	40	890
Personal Taxes	0	0	0	0	0	0	0
Corporate Taxes	27	36	41	42	43	40	890
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	66	94	107	114	120	114	2,393
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.
**2012-2035 represents the total for all years including those years not reported.
Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: New Hampshire							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	19	28	31	32	33	30	680
Personal Taxes	16	24	26	27	28	25	569
Corporate Taxes	3	5	5	5	5	5	111
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	8	10	11	11	11	10	235
Personal Taxes	0	0	1	0	0	0	11
Corporate Taxes	7	10	10	11	11	9	225
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	27	38	42	43	44	40	916
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: New Jersey							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	142	215	248	268	283	271	5,577
Personal Taxes	114	174	198	211	221	209	4,404
Corporate Taxes	28	41	50	57	63	62	1,173
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	126	179	204	215	222	208	4,492
Personal Taxes	45	62	68	66	64	56	1,403
Corporate Taxes	81	117	136	149	158	152	3,089
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	268	394	452	484	505	478	10,069
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: New Mexico							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	316	364	416	515	669	684	11,526
Personal Taxes	176	195	216	268	348	358	5,919
Corporate Taxes	60	76	85	105	132	132	2,263
Federal Royalty Payments	53	67	89	113	154	165	2,667
Federal Bonus Payments	26	26	25	29	34	28	677
State and Local Taxes	864	1,034	1,142	1,362	1,697	1,663	30,329
Personal Taxes	41	41	44	50	60	57	1,106
Corporate Taxes	598	736	789	930	1,135	1,096	20,230
Severance Taxes	99	123	165	210	285	306	4,926
Ad Valorem Taxes	27	34	45	58	78	84	1,354
State Royalty Payments	6	8	11	14	19	20	325
State Bonus Payments	93	92	87	102	121	100	2,390
Total Government Revenue	1,180	1,398	1,557	1,877	2,366	2,346	41,855
Lease Payments to Private Landowners	4	5	6	10	15	17	228

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: New York							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	323	471	513	531	534	482	11,133
Personal Taxes	266	393	427	440	442	398	9,235
Corporate Taxes	57	78	86	91	92	84	1,898
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	494	657	693	683	656	569	14,536
Personal Taxes	174	231	241	228	212	176	4,896
Corporate Taxes	320	426	452	454	444	393	9,640
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	817	1,128	1,206	1,214	1,190	1,051	25,669
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: North Carolina							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	125	183	206	218	226	209	4,555
Personal Taxes	101	149	168	178	185	171	3,715
Corporate Taxes	25	34	38	40	42	38	840
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	115	153	165	165	163	144	3,509
Personal Taxes	41	55	60	58	55	48	1,231
Corporate Taxes	74	98	106	107	107	96	2,278
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	241	336	371	383	389	353	8,064
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: North Dakota							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	1,802	3,080	3,668	3,725	2,914	1,930	71,910
Personal Taxes	632	1,531	1,677	1,687	1,308	847	31,598
Corporate Taxes	191	189	205	209	156	98	4,030
Federal Royalty Payments	905	1,270	1,703	1,756	1,402	955	34,655
Federal Bonus Payments	74	90	83	73	48	28	1,627
State and Local Taxes	3,934	5,096	6,452	6,539	5,088	3,378	129,526
Personal Taxes	78	171	179	165	118	71	3,200
Corporate Taxes	822	790	825	807	582	356	15,954
Severance Taxes	1,396	1,916	2,579	2,651	2,105	1,421	52,315
Ad Valorem Taxes	1,055	1,439	1,939	1,993	1,579	1,062	39,302
State Royalty Payments	358	504	676	698	558	381	13,767
State Bonus Payments	226	276	254	225	148	87	4,988
Total Government Revenue	5,736	8,176	10,119	10,264	8,003	5,308	201,437
Lease Payments to Private Landowners	81	120	137	149	117	77	2,919

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Ohio							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	255	745	1,230	1,484	1,715	1,799	28,972
Personal Taxes	206	562	900	1,082	1,258	1,330	21,319
Corporate Taxes	49	183	330	403	457	470	7,652
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	456	1,584	2,748	3,209	3,523	3,533	61,334
Personal Taxes	90	222	340	375	403	394	7,345
Corporate Taxes	358	1,311	2,275	2,659	2,908	2,900	50,416
Severance Taxes	1	6	14	19	23	28	391
Ad Valorem Taxes	7	44	117	154	187	209	3,140
State Royalty Payments	0	1	2	2	2	3	42
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	711	2,330	3,978	4,694	5,238	5,333	90,306
Lease Payments to Private Landowners	3	18	31	41	52	63	898

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Oklahoma							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	421	766	1,065	1,332	1,560	1,464	26,317
Personal Taxes	311	528	718	890	1,049	987	17,733
Corporate Taxes	101	222	317	399	458	423	7,700
Federal Royalty Payments	8	15	28	40	50	52	831
Federal Bonus Payments	1	2	2	2	2	2	52
State and Local Taxes	508	1,014	1,509	1,899	2,187	2,073	37,782
Personal Taxes	80	122	159	181	197	171	3,603
Corporate Taxes	296	633	870	1,052	1,164	1,043	20,323
Severance Taxes	68	146	272	381	476	499	7,925
Ad Valorem Taxes	20	41	77	108	136	142	2,251
State Royalty Payments	30	56	107	152	191	199	3,161
State Bonus Payments	14	16	23	24	24	19	518
Total Government Revenue	929	1,781	2,573	3,230	3,747	3,537	64,098
Lease Payments to Private Landowners	15	25	37	49	60	54	1,036

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Oregon							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	58	85	97	106	110	104	2,186
Personal Taxes	47	70	79	86	89	84	1,775
Corporate Taxes	11	16	18	20	21	20	411
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	85	118	129	134	133	121	2,802
Personal Taxes	25	34	37	37	35	31	773
Corporate Taxes	60	84	92	98	98	90	2,029
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	143	203	226	240	244	224	4,988
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Pennsylvania							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	330	481	538	561	578	534	11,784
Personal Taxes	273	399	445	462	476	439	9,722
Corporate Taxes	57	82	93	99	103	96	2,062
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	214	292	317	313	307	272	6,661
Personal Taxes	92	122	130	124	118	101	2,662
Corporate Taxes	122	170	187	189	189	172	3,999
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	544	772	855	874	886	807	18,446
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Rhode Island							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	15	21	23	23	23	21	494
Personal Taxes	12	18	19	20	20	18	415
Corporate Taxes	3	3	4	4	4	3	80
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	13	17	18	17	17	14	373
Personal Taxes	4	6	6	6	5	4	123
Corporate Taxes	9	11	12	12	11	10	250
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	28	38	41	41	40	35	868
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: South Carolina							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	58	85	97	105	112	105	2,193
Personal Taxes	47	70	80	86	92	87	1,805
Corporate Taxes	11	15	17	19	20	19	388
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	64	85	93	95	97	88	2,022
Personal Taxes	12	16	17	17	17	15	364
Corporate Taxes	52	69	75	78	80	73	1,658
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	122	170	190	200	209	193	4,215
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: South Dakota							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	12	18	20	22	22	21	453
Personal Taxes	10	15	17	18	18	17	365
Corporate Taxes	3	4	4	4	4	4	88
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	11	15	16	16	16	14	338
Personal Taxes	0	0	0	0	0	0	0
Corporate Taxes	11	15	16	16	16	14	338
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	23	33	36	38	38	35	792
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Tennessee							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	86	125	141	152	161	152	3,187
Personal Taxes	71	105	118	127	134	127	2,656
Corporate Taxes	15	21	24	25	27	25	531
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	21	28	31	32	32	29	668
Personal Taxes	1	1	1	1	1	1	26
Corporate Taxes	20	27	29	30	31	28	643
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	107	154	172	184	193	181	3,856
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Texas							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	7,352	9,395	10,025	9,091	8,033	6,253	194,679
Personal Taxes	5,301	6,495	6,893	6,298	5,707	4,528	136,038
Corporate Taxes	2,042	2,891	3,122	2,786	2,321	1,722	58,462
Federal Royalty Payments	0	0	1	0	0	0	11
Federal Bonus Payments	9	10	9	7	5	3	169
State and Local Taxes	6,077	8,790	10,060	8,747	7,142	5,362	187,969
Personal Taxes	0	0	0	0	0	0	0
Corporate Taxes	4,142	5,698	5,929	5,071	4,072	2,934	108,808
Severance Taxes	1,312	2,121	2,825	2,519	2,112	1,676	54,266
Ad Valorem Taxes	548	855	1,150	1,019	844	663	21,929
State Royalty Payments	74	115	154	137	113	89	2,943
State Bonus Payments	1	1	1	1	1	0	22
Total Government Revenue	13,429	18,185	20,085	17,838	15,175	11,615	382,648
Lease Payments to Private Landowners	132	160	160	145	149	117	3,537

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Utah							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	71	110	124	261	487	678	6,363
Personal Taxes	57	88	99	198	358	496	4,777
Corporate Taxes	13	22	24	64	129	182	1,585
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	1
State and Local Taxes	57	86	93	260	555	808	6,887
Personal Taxes	23	31	34	61	102	132	1,424
Corporate Taxes	35	54	59	147	288	395	3,592
Severance Taxes	0	0	0	37	119	204	1,353
Ad Valorem Taxes	0	0	0	14	44	75	498
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	2	3	20
Total Government Revenue	128	195	216	521	1,041	1,487	13,250
Lease Payments to Private Landowners	0	0	0	7	18	29	206

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Vermont							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	9	14	15	16	16	14	327
Personal Taxes	8	11	13	13	13	12	276
Corporate Taxes	2	2	2	2	2	2	51
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	6	8	9	9	8	7	184
Personal Taxes	2	3	3	3	3	2	68
Corporate Taxes	4	5	6	5	5	5	117
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	16	22	24	24	24	21	512
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Virginia							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	122	181	207	222	234	222	4,631
Personal Taxes	99	149	171	183	193	184	3,821
Corporate Taxes	23	32	36	39	41	38	811
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	93	127	139	140	139	125	2,967
Personal Taxes	44	60	65	64	63	55	1,364
Corporate Taxes	49	68	74	76	76	70	1,604
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	215	308	346	362	373	347	7,599
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Washington							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	85	124	141	152	159	150	3,161
Personal Taxes	69	103	117	125	132	124	2,612
Corporate Taxes	15	21	24	26	28	26	549
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	19	26	28	29	30	27	620
Personal Taxes	0	0	0	0	0	0	0
Corporate Taxes	19	26	28	29	30	27	620
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	104	150	169	181	189	177	3,781
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.
**2012-2035 represents the total for all years including those years not reported.
Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: West Virginia							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	32	51	60	65	71	69	1,360
Personal Taxes	25	40	46	51	55	53	1,056
Corporate Taxes	7	11	13	15	16	16	305
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	32	48	56	58	60	57	1,216
Personal Taxes	6	9	10	10	10	9	217
Corporate Taxes	26	39	45	48	50	48	999
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	65	99	115	123	131	126	2,576
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.
**2012-2035 represents the total for all years including those years not reported.
Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Wisconsin							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	152	234	260	283	276	241	5,692
Personal Taxes	128	194	215	234	230	200	4,721
Corporate Taxes	25	40	45	49	47	41	971
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	187	286	305	315	291	242	6,396
Personal Taxes	51	69	74	74	66	54	1,512
Corporate Taxes	136	216	232	241	224	188	4,883
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	339	520	565	598	567	483	12,088
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Oil to Government Revenue and Private Lease Payments: Wyoming							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	30	48	53	147	307	446	3,749
Personal Taxes	23	35	39	102	208	303	2,584
Corporate Taxes	7	12	14	44	95	136	1,123
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	1	4	7	42
State and Local Taxes	13	22	23	171	464	748	5,367
Personal Taxes	0	0	0	0	0	0	0
Corporate Taxes	13	22	23	71	147	205	1,759
Severance Taxes	0	0	0	49	156	266	1,769
Ad Valorem Taxes	0	0	0	50	161	275	1,828
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	1	2	10
Total Government Revenue	42	69	77	318	772	1,194	9,116
Lease Payments to Private Landowners	0	0	0	6	16	26	183

NOTES: *Unconventional oil activity represents the production of oil and associated gas recovered from tight oil plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

UNCONVENTIONAL GAS ACTIVITY

Unconventional Gas Employment Contribution: Alphabetical by State

US State-Level Employment Contribution of Unconventional Gas: 2012				
(Number of workers)				
	Direct	Indirect	Induced	Total
Alabama	7	1,689	2,880	4,577
Arizona	0	1,914	3,950	5,865
Arkansas	10,275	6,666	9,487	26,428
California	3,237	16,577	28,244	48,057
Colorado	19,462	16,189	24,208	59,859
Connecticut	0	1,359	2,789	4,149
Delaware	63	364	768	1,195
Florida	70	5,320	12,775	18,165
Georgia	0	3,060	6,232	9,292
Idaho	3	488	1,051	1,542
Illinois	2,313	6,733	12,036	21,083
Indiana	128	3,191	4,915	8,234
Iowa	290	1,316	2,773	4,380
Kansas	463	1,379	2,567	4,410
Kentucky	71	1,807	3,074	4,951
Louisiana	22,532	21,627	24,571	68,730
Maine	0	390	1,001	1,392
Maryland	2	1,898	3,981	5,880
Massachusetts	19	2,571	5,400	7,989
Michigan	3,362	5,231	9,379	17,971
Minnesota	307	2,523	4,952	7,782
Mississippi	0	816	1,742	2,558
Missouri	5,891	4,318	8,420	18,629
Montana	0	333	745	1,078
Nebraska	68	814	1,683	2,565
Nevada	13	1,149	2,009	3,171
New Hampshire	7	522	1,023	1,552
New Jersey	153	3,230	6,702	10,084
New Mexico	1,683	2,679	2,834	7,196
New York	82	6,659	15,497	22,238
North Carolina	0	3,028	6,349	9,377
North Dakota	0	253	479	732
Ohio	2,292	7,222	10,764	20,279
Oklahoma	12,776	11,033	14,843	38,652
Oregon	27	1,449	2,848	4,324
Pennsylvania	25,130	23,803	30,361	79,294
Rhode Island	0	359	774	1,133
South Carolina	1	1,655	2,926	4,582
South Dakota	3	287	706	996
Tennessee	33	2,294	4,507	6,833
Texas	56,594	72,819	107,013	236,425
Utah	9,348	15,838	23,740	48,926
Vermont	0	208	524	733
Virginia	114	3,221	5,937	9,272
Washington	0	2,068	4,537	6,606
West Virginia	3,615	2,659	3,543	9,817
Wisconsin	190	2,900	4,812	7,901
Wyoming	6,742	3,990	5,073	15,806
US Total	187,363	277,897	437,428	902,688

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Gas: 2015				
(Number of workers)				
	Direct	Indirect	Induced	Total
Alabama	10	2,411	4,168	6,588
Arizona	0	2,776	5,807	8,583
Arkansas	15,248	10,254	14,280	39,782
California	3,788	22,854	39,773	66,416
Colorado	24,156	21,079	32,495	77,730
Connecticut	1	1,892	3,942	5,834
Delaware	84	516	1,103	1,702
Florida	101	7,903	18,760	26,763
Georgia	0	4,442	9,071	13,514
Idaho	3	715	1,538	2,256
Illinois	3,010	9,505	17,015	29,529
Indiana	177	4,462	7,082	11,722
Iowa	352	1,869	3,973	6,194
Kansas	547	1,934	3,650	6,131
Kentucky	98	2,551	4,432	7,081
Louisiana	25,745	25,525	33,368	84,637
Maine	0	551	1,431	1,982
Maryland	2	2,768	5,753	8,523
Massachusetts	30	3,674	7,726	11,431
Michigan	4,543	7,439	13,179	25,161
Minnesota	510	3,664	7,262	11,436
Mississippi	0	1,178	2,541	3,719
Missouri	8,389	6,231	12,116	26,736
Montana	0	484	1,090	1,575
Nebraska	78	1,159	2,440	3,677
Nevada	16	1,613	2,963	4,592
New Hampshire	9	742	1,470	2,222
New Jersey	231	4,665	9,666	14,562
New Mexico	1,429	3,110	3,555	8,094
New York	120	9,633	22,420	32,172
North Carolina	0	4,388	9,222	13,610
North Dakota	0	378	700	1,079
Ohio	5,159	11,656	17,439	34,253
Oklahoma	20,685	18,118	25,232	64,035
Oregon	32	2,097	4,153	6,282
Pennsylvania	43,203	41,170	55,247	139,620
Rhode Island	0	515	1,110	1,626
South Carolina	1	2,377	4,247	6,626
South Dakota	3	412	1,032	1,447
Tennessee	36	3,299	6,525	9,860
Texas	77,392	106,239	155,408	339,038
Utah	10,527	18,121	26,761	55,409
Vermont	0	298	756	1,054
Virginia	159	4,661	8,625	13,444
Washington	0	2,982	6,637	9,620
West Virginia	7,310	4,910	6,672	18,892
Wisconsin	261	4,100	6,945	11,306
Wyoming	9,847	6,075	7,724	23,646
US Total	263,287	399,399	638,507	1,301,194

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Gas: 2020				
(Number of workers)				
	Direct	Indirect	Induced	Total
Alabama	10	3,069	5,201	8,281
Arizona	0	3,618	7,503	11,122
Arkansas	16,112	11,023	15,477	42,611
California	3,727	27,399	48,149	79,276
Colorado	28,708	25,419	39,644	93,771
Connecticut	1	2,335	4,791	7,127
Delaware	117	660	1,396	2,172
Florida	141	10,271	24,036	34,448
Georgia	0	5,717	11,539	17,256
Idaho	2	906	1,950	2,857
Illinois	4,124	12,017	21,474	37,615
Indiana	260	5,650	8,888	14,798
Iowa	374	2,338	4,870	7,582
Kansas	553	2,435	4,534	7,522
Kentucky	144	3,231	5,599	8,973
Louisiana	26,293	25,704	33,116	85,113
Maine	0	684	1,750	2,434
Maryland	3	3,492	7,162	10,657
Massachusetts	51	4,565	9,459	14,075
Michigan	6,333	9,830	16,933	33,095
Minnesota	846	4,723	9,259	14,828
Mississippi	1	1,503	3,227	4,731
Missouri	12,290	8,524	16,318	37,132
Montana	0	615	1,385	2,000
Nebraska	61	1,455	3,057	4,573
Nevada	18	2,123	3,881	6,022
New Hampshire	13	918	1,820	2,750
New Jersey	377	5,893	12,059	18,330
New Mexico	938	3,252	4,147	8,336
New York	188	11,681	27,413	39,282
North Carolina	0	5,594	11,682	17,277
North Dakota	0	500	892	1,391
Ohio	12,981	19,395	28,727	61,103
Oklahoma	30,640	26,236	36,200	93,076
Oregon	37	2,713	5,297	8,046
Pennsylvania	56,673	54,210	72,221	183,103
Rhode Island	0	631	1,344	1,974
South Carolina	2	3,060	5,389	8,452
South Dakota	2	521	1,298	1,821
Tennessee	39	4,188	8,226	12,453
Texas	107,091	143,067	207,169	457,327
Utah	6,913	14,265	21,745	42,923
Vermont	0	375	934	1,309
Virginia	235	6,016	10,942	17,193
Washington	0	3,835	8,365	12,199
West Virginia	10,172	6,727	9,119	26,018
Wisconsin	353	5,227	8,748	14,328
Wyoming	7,989	5,409	7,020	20,419
US Total	334,808	503,021	801,355	1,639,184

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Gas: 2025				
(Number of workers)				
	Direct	Indirect	Induced	Total
Alabama	12	3,659	6,045	9,715
Arizona	0	4,304	8,865	13,169
Arkansas	14,761	10,620	15,292	40,673
California	3,184	29,809	53,908	86,901
Colorado	30,807	27,826	43,936	102,569
Connecticut	1	2,634	5,354	7,989
Delaware	154	771	1,630	2,555
Florida	165	12,189	28,228	40,582
Georgia	0	6,722	13,429	20,151
Idaho	0	1,062	2,276	3,338
Illinois	5,036	13,802	24,934	43,772
Indiana	356	6,666	10,359	17,381
Iowa	374	2,795	5,658	8,826
Kansas	484	2,825	5,182	8,490
Kentucky	196	3,813	6,510	10,519
Louisiana	27,866	27,342	35,032	90,240
Maine	0	787	1,985	2,772
Maryland	3	3,920	8,179	12,102
Massachusetts	75	5,081	10,618	15,774
Michigan	7,746	11,915	19,985	39,646
Minnesota	1,201	5,482	10,869	17,552
Mississippi	1	1,740	3,733	5,474
Missouri	14,849	10,182	19,309	44,341
Montana	0	716	1,607	2,323
Nebraska	36	1,675	3,502	5,213
Nevada	17	2,463	4,529	7,009
New Hampshire	17	1,026	2,072	3,114
New Jersey	540	6,783	13,897	21,221
New Mexico	310	3,104	4,455	7,870
New York	263	13,030	30,915	44,209
North Carolina	0	6,405	13,520	19,925
North Dakota	0	603	1,061	1,664
Ohio	21,817	27,646	40,663	90,126
Oklahoma	39,223	33,355	45,942	118,520
Oregon	39	3,163	6,195	9,397
Pennsylvania	72,575	68,152	90,803	231,530
Rhode Island	0	690	1,498	2,188
South Carolina	2	3,598	6,267	9,867
South Dakota	0	592	1,495	2,087
Tennessee	28	4,872	9,491	14,392
Texas	127,550	170,762	247,609	545,921
Utah	2,282	8,401	13,828	24,511
Vermont	0	421	1,052	1,473
Virginia	318	7,037	12,740	20,095
Washington	0	4,516	9,651	14,167
West Virginia	13,576	8,782	11,924	34,282
Wisconsin	431	6,124	10,194	16,748
Wyoming	3,768	3,210	4,220	11,197
US Total	390,064	583,072	930,447	1,903,583

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Gas: 2030				
(Number of workers)				
	Direct	Indirect	Induced	Total
Alabama	12	3,863	6,234	10,109
Arizona	0	4,532	9,469	14,000
Arkansas	8,933	7,603	11,402	27,938
California	2,833	29,642	54,868	87,343
Colorado	32,469	29,643	46,662	108,774
Connecticut	2	2,643	5,324	7,969
Delaware	214	846	1,754	2,814
Florida	131	12,753	29,632	42,516
Georgia	0	6,983	14,058	21,040
Idaho	1	1,090	2,363	3,454
Illinois	5,689	14,331	26,211	46,231
Indiana	522	7,065	10,788	18,375
Iowa	471	2,989	5,938	9,398
Kansas	514	3,048	5,443	9,005
Kentucky	279	4,061	6,804	11,145
Louisiana	27,874	28,114	36,013	92,000
Maine	0	798	2,008	2,806
Maryland	5	3,933	8,369	12,306
Massachusetts	118	5,045	10,670	15,833
Michigan	8,455	13,036	21,426	42,916
Minnesota	1,823	5,850	11,770	19,442
Mississippi	349	1,966	4,108	6,423
Missouri	13,326	10,035	19,010	42,371
Montana	0	732	1,660	2,392
Nebraska	47	1,750	3,614	5,411
Nevada	16	2,562	4,797	7,374
New Hampshire	25	1,032	2,119	3,177
New Jersey	801	7,035	14,424	22,260
New Mexico	1,548	4,323	5,772	11,643
New York	384	12,934	31,032	44,351
North Carolina	0	6,507	14,037	20,544
North Dakota	0	640	1,113	1,753
Ohio	32,202	37,026	53,797	123,024
Oklahoma	42,905	37,312	51,156	131,373
Oregon	43	3,243	6,454	9,740
Pennsylvania	93,458	83,370	110,643	287,470
Rhode Island	0	671	1,491	2,162
South Carolina	2	3,765	6,540	10,308
South Dakota	1	604	1,539	2,144
Tennessee	11	5,069	9,846	14,926
Texas	104,797	152,416	223,034	480,247
Utah	1,876	6,543	10,798	19,218
Vermont	0	418	1,052	1,469
Virginia	450	7,482	13,467	21,399
Washington	0	4,668	9,895	14,563
West Virginia	17,408	11,270	15,241	43,919
Wisconsin	520	6,356	10,605	17,481
Wyoming	3,568	3,062	3,862	10,492
US Total	404,080	600,655	958,314	1,963,048

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Gas: 2035				
(Number of workers)				
	Direct	Indirect	Induced	Total
Alabama	10	4,254	6,710	10,974
Arizona	1	5,014	10,565	15,580
Arkansas	11,417	9,432	13,657	34,506
California	2,859	31,274	58,692	92,824
Colorado	31,887	30,202	47,519	109,608
Connecticut	3	2,789	5,550	8,341
Delaware	276	952	1,959	3,188
Florida	122	14,083	32,735	46,940
Georgia	0	7,565	15,350	22,915
Idaho	2	1,171	2,560	3,733
Illinois	6,805	15,953	29,147	51,904
Indiana	697	7,779	11,739	20,215
Iowa	622	3,340	6,567	10,529
Kansas	653	3,505	6,082	10,240
Kentucky	360	4,464	7,381	12,206
Louisiana	27,299	29,428	38,032	94,759
Maine	0	839	2,117	2,956
Maryland	6	4,159	9,003	13,167
Massachusetts	162	5,274	11,222	16,658
Michigan	9,089	14,495	23,451	47,035
Minnesota	2,267	6,449	13,056	21,771
Mississippi	1,135	2,583	5,103	8,821
Missouri	12,752	10,414	19,697	42,862
Montana	0	792	1,807	2,599
Nebraska	59	1,922	3,910	5,891
Nevada	15	2,817	5,350	8,182
New Hampshire	37	1,097	2,264	3,398
New Jersey	1,038	7,622	15,661	24,321
New Mexico	4,565	7,654	9,422	21,641
New York	498	13,495	32,731	46,724
North Carolina	0	6,904	15,210	22,114
North Dakota	0	702	1,221	1,923
Ohio	39,374	45,031	64,797	149,202
Oklahoma	49,075	43,380	59,357	151,811
Oregon	43	3,497	7,057	10,597
Pennsylvania	115,560	100,959	133,981	350,500
Rhode Island	0	688	1,555	2,243
South Carolina	2	4,107	7,107	11,216
South Dakota	2	642	1,652	2,296
Tennessee	32	5,554	10,726	16,313
Texas	87,184	136,648	199,488	423,319
Utah	3,329	8,196	13,008	24,533
Vermont	0	433	1,096	1,528
Virginia	578	8,303	14,853	23,733
Washington	0	5,039	10,628	15,666
West Virginia	21,341	13,982	18,897	54,219
Wisconsin	646	6,911	11,552	19,108
Wyoming	4,973	3,920	4,800	13,693
US Total	436,771	645,709	1,026,023	2,108,503

Source: IHS Global Insight

Unconventional Gas Employment Contribution: Ranked by Total Contribution

US State-Level Employment Contribution of Unconventional Gas: 2012				
(Number of workers ranked by total employment contribution)				
	Direct	Indirect	Induced	Total
Texas	56,594	72,819	107,013	236,425
Pennsylvania	25,130	23,803	30,361	79,294
Louisiana	22,532	21,627	24,571	68,730
Colorado	19,462	16,189	24,208	59,859
Utah	9,348	15,838	23,740	48,926
California	3,237	16,577	28,244	48,057
Oklahoma	12,776	11,033	14,843	38,652
Arkansas	10,275	6,666	9,487	26,428
New York	82	6,659	15,497	22,238
Illinois	2,313	6,733	12,036	21,083
Ohio	2,292	7,222	10,764	20,279
Missouri	5,891	4,318	8,420	18,629
Florida	70	5,320	12,775	18,165
Michigan	3,362	5,231	9,379	17,971
Wyoming	6,742	3,990	5,073	15,806
New Jersey	153	3,230	6,702	10,084
West Virginia	3,615	2,659	3,543	9,817
North Carolina	0	3,028	6,349	9,377
Georgia	0	3,060	6,232	9,292
Virginia	114	3,221	5,937	9,272
Indiana	128	3,191	4,915	8,234
Massachusetts	19	2,571	5,400	7,989
Wisconsin	190	2,900	4,812	7,901
Minnesota	307	2,523	4,952	7,782
New Mexico	1,683	2,679	2,834	7,196
Tennessee	33	2,294	4,507	6,833
Washington	0	2,068	4,537	6,606
Maryland	2	1,898	3,981	5,880
Arizona	0	1,914	3,950	5,865
Kentucky	71	1,807	3,074	4,951
South Carolina	1	1,655	2,926	4,582
Alabama	7	1,689	2,880	4,577
Kansas	463	1,379	2,567	4,410
Iowa	290	1,316	2,773	4,380
Oregon	27	1,449	2,848	4,324
Connecticut	0	1,359	2,789	4,149
Nevada	13	1,149	2,009	3,171
Nebraska	68	814	1,683	2,565
Mississippi	0	816	1,742	2,558
New Hampshire	7	522	1,023	1,552
Idaho	3	488	1,051	1,542
Maine	0	390	1,001	1,392
Delaware	63	364	768	1,195
Rhode Island	0	359	774	1,133
Montana	0	333	745	1,078
South Dakota	3	287	706	996
Vermont	0	208	524	733
North Dakota	0	253	479	732
US Total	187,363	277,897	437,428	902,688

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Gas: 2015				
(Number of workers ranked by total employment contribution)				
	Direct	Indirect	Induced	Total
Texas	77,392	106,239	155,408	339,038
Pennsylvania	43,203	41,170	55,247	139,620
Louisiana	25,745	25,525	33,368	84,637
Colorado	24,156	21,079	32,495	77,730
California	3,788	22,854	39,773	66,416
Oklahoma	20,685	18,118	25,232	64,035
Utah	10,527	18,121	26,761	55,409
Arkansas	15,248	10,254	14,280	39,782
Ohio	5,159	11,656	17,439	34,253
New York	120	9,633	22,420	32,172
Illinois	3,010	9,505	17,015	29,529
Florida	101	7,903	18,760	26,763
Missouri	8,389	6,231	12,116	26,736
Michigan	4,543	7,439	13,179	25,161
Wyoming	9,847	6,075	7,724	23,646
West Virginia	7,310	4,910	6,672	18,892
New Jersey	231	4,665	9,666	14,562
North Carolina	0	4,388	9,222	13,610
Georgia	0	4,442	9,071	13,514
Virginia	159	4,661	8,625	13,444
Indiana	177	4,462	7,082	11,722
Minnesota	510	3,664	7,262	11,436
Massachusetts	30	3,674	7,726	11,431
Wisconsin	261	4,100	6,945	11,306
Tennessee	36	3,299	6,525	9,860
Washington	0	2,982	6,637	9,620
Arizona	0	2,776	5,807	8,583
Maryland	2	2,768	5,753	8,523
New Mexico	1,429	3,110	3,555	8,094
Kentucky	98	2,551	4,432	7,081
South Carolina	1	2,377	4,247	6,626
Alabama	10	2,411	4,168	6,588
Oregon	32	2,097	4,153	6,282
Iowa	352	1,869	3,973	6,194
Kansas	547	1,934	3,650	6,131
Connecticut	1	1,892	3,942	5,834
Nevada	16	1,613	2,963	4,592
Mississippi	0	1,178	2,541	3,719
Nebraska	78	1,159	2,440	3,677
Idaho	3	715	1,538	2,256
New Hampshire	9	742	1,470	2,222
Maine	0	551	1,431	1,982
Delaware	84	516	1,103	1,702
Rhode Island	0	515	1,110	1,626
Montana	0	484	1,090	1,575
South Dakota	3	412	1,032	1,447
North Dakota	0	378	700	1,079
Vermont	0	298	756	1,054
US Total	263,287	399,399	638,507	1,301,194

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Gas: 2020				
(Number of workers ranked by total employment contribution)				
	Direct	Indirect	Induced	Total
Texas	107,091	143,067	207,169	457,327
Pennsylvania	56,673	54,210	72,221	183,103
Colorado	28,708	25,419	39,644	93,771
Oklahoma	30,640	26,236	36,200	93,076
Louisiana	26,293	25,704	33,116	85,113
California	3,727	27,399	48,149	79,276
Ohio	12,981	19,395	28,727	61,103
Utah	6,913	14,265	21,745	42,923
Arkansas	16,112	11,023	15,477	42,611
New York	188	11,681	27,413	39,282
Illinois	4,124	12,017	21,474	37,615
Missouri	12,290	8,524	16,318	37,132
Florida	141	10,271	24,036	34,448
Michigan	6,333	9,830	16,933	33,095
West Virginia	10,172	6,727	9,119	26,018
Wyoming	7,989	5,409	7,020	20,419
New Jersey	377	5,893	12,059	18,330
North Carolina	0	5,594	11,682	17,277
Georgia	0	5,717	11,539	17,256
Virginia	235	6,016	10,942	17,193
Minnesota	846	4,723	9,259	14,828
Indiana	260	5,650	8,888	14,798
Wisconsin	353	5,227	8,748	14,328
Massachusetts	51	4,565	9,459	14,075
Tennessee	39	4,188	8,226	12,453
Washington	0	3,835	8,365	12,199
Arizona	0	3,618	7,503	11,122
Maryland	3	3,492	7,162	10,657
Kentucky	144	3,231	5,599	8,973
South Carolina	2	3,060	5,389	8,452
New Mexico	938	3,252	4,147	8,336
Alabama	10	3,069	5,201	8,281
Oregon	37	2,713	5,297	8,046
Iowa	374	2,338	4,870	7,582
Kansas	553	2,435	4,534	7,522
Connecticut	1	2,335	4,791	7,127
Nevada	18	2,123	3,881	6,022
Mississippi	1	1,503	3,227	4,731
Nebraska	61	1,455	3,057	4,573
Idaho	2	906	1,950	2,857
New Hampshire	13	918	1,820	2,750
Maine	0	684	1,750	2,434
Delaware	117	660	1,396	2,172
Montana	0	615	1,385	2,000
Rhode Island	0	631	1,344	1,974
South Dakota	2	521	1,298	1,821
North Dakota	0	500	892	1,391
Vermont	0	375	934	1,309
US Total	334,808	503,021	801,355	1,639,184

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Gas: 2025				
(Number of workers ranked by total employment contribution)				
	Direct	Indirect	Induced	Total
Texas	127,550	170,762	247,609	545,921
Pennsylvania	72,575	68,152	90,803	231,530
Oklahoma	39,223	33,355	45,942	118,520
Colorado	30,807	27,826	43,936	102,569
Louisiana	27,866	27,342	35,032	90,240
Ohio	21,817	27,646	40,663	90,126
California	3,184	29,809	53,908	86,901
Missouri	14,849	10,182	19,309	44,341
New York	263	13,030	30,915	44,209
Illinois	5,036	13,802	24,934	43,772
Arkansas	14,761	10,620	15,292	40,673
Florida	165	12,189	28,228	40,582
Michigan	7,746	11,915	19,985	39,646
West Virginia	13,576	8,782	11,924	34,282
Utah	2,282	8,401	13,828	24,511
New Jersey	540	6,783	13,897	21,221
Georgia	0	6,722	13,429	20,151
Virginia	318	7,037	12,740	20,095
North Carolina	0	6,405	13,520	19,925
Minnesota	1,201	5,482	10,869	17,552
Indiana	356	6,666	10,359	17,381
Wisconsin	431	6,124	10,194	16,748
Massachusetts	75	5,081	10,618	15,774
Tennessee	28	4,872	9,491	14,392
Washington	0	4,516	9,651	14,167
Arizona	0	4,304	8,865	13,169
Maryland	3	3,920	8,179	12,102
Wyoming	3,768	3,210	4,220	11,197
Kentucky	196	3,813	6,510	10,519
South Carolina	2	3,598	6,267	9,867
Alabama	12	3,659	6,045	9,715
Oregon	39	3,163	6,195	9,397
Iowa	374	2,795	5,658	8,826
Kansas	484	2,825	5,182	8,490
Connecticut	1	2,634	5,354	7,989
New Mexico	310	3,104	4,455	7,870
Nevada	17	2,463	4,529	7,009
Mississippi	1	1,740	3,733	5,474
Nebraska	36	1,675	3,502	5,213
Idaho	0	1,062	2,276	3,338
New Hampshire	17	1,026	2,072	3,114
Maine	0	787	1,985	2,772
Delaware	154	771	1,630	2,555
Montana	0	716	1,607	2,323
Rhode Island	0	690	1,498	2,188
South Dakota	0	592	1,495	2,087
North Dakota	0	603	1,061	1,664
Vermont	0	421	1,052	1,473
US Total	390,064	583,072	930,447	1,903,583

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Gas: 2030				
(Number of workers ranked by total employment contribution)				
	Direct	Indirect	Induced	Total
Texas	104,797	152,416	223,034	480,247
Pennsylvania	93,458	83,370	110,643	287,470
Oklahoma	42,905	37,312	51,156	131,373
Ohio	32,202	37,026	53,797	123,024
Colorado	32,469	29,643	46,662	108,774
Louisiana	27,874	28,114	36,013	92,000
California	2,833	29,642	54,868	87,343
Illinois	5,689	14,331	26,211	46,231
New York	384	12,934	31,032	44,351
West Virginia	17,408	11,270	15,241	43,919
Michigan	8,455	13,036	21,426	42,916
Florida	131	12,753	29,632	42,516
Missouri	13,326	10,035	19,010	42,371
Arkansas	8,933	7,603	11,402	27,938
New Jersey	801	7,035	14,424	22,260
Virginia	450	7,482	13,467	21,399
Georgia	0	6,983	14,058	21,040
North Carolina	0	6,507	14,037	20,544
Minnesota	1,823	5,850	11,770	19,442
Utah	1,876	6,543	10,798	19,218
Indiana	522	7,065	10,788	18,375
Wisconsin	520	6,356	10,605	17,481
Massachusetts	118	5,045	10,670	15,833
Tennessee	11	5,069	9,846	14,926
Washington	0	4,668	9,895	14,563
Arizona	0	4,532	9,469	14,000
Maryland	5	3,933	8,369	12,306
New Mexico	1,548	4,323	5,772	11,643
Kentucky	279	4,061	6,804	11,145
Wyoming	3,568	3,062	3,862	10,492
South Carolina	2	3,765	6,540	10,308
Alabama	12	3,863	6,234	10,109
Oregon	43	3,243	6,454	9,740
Iowa	471	2,989	5,938	9,398
Kansas	514	3,048	5,443	9,005
Connecticut	2	2,643	5,324	7,969
Nevada	16	2,562	4,797	7,374
Mississippi	349	1,966	4,108	6,423
Nebraska	47	1,750	3,614	5,411
Idaho	1	1,090	2,363	3,454
New Hampshire	25	1,032	2,119	3,177
Delaware	214	846	1,754	2,814
Maine	0	798	2,008	2,806
Montana	0	732	1,660	2,392
Rhode Island	0	671	1,491	2,162
South Dakota	1	604	1,539	2,144
North Dakota	0	640	1,113	1,753
Vermont	0	418	1,052	1,469
US Total	404,080	600,655	958,314	1,963,048

Source: IHS Global Insight

US State-Level Employment Contribution of Unconventional Gas: 2035				
(Number of workers ranked by total employment contribution)				
	Direct	Indirect	Induced	Total
Texas	87,184	136,648	199,488	423,319
Pennsylvania	115,560	100,959	133,981	350,500
Oklahoma	49,075	43,380	59,357	151,811
Ohio	39,374	45,031	64,797	149,202
Colorado	31,887	30,202	47,519	109,608
Louisiana	27,299	29,428	38,032	94,759
California	2,859	31,274	58,692	92,824
West Virginia	21,341	13,982	18,897	54,219
Illinois	6,805	15,953	29,147	51,904
Michigan	9,089	14,495	23,451	47,035
Florida	122	14,083	32,735	46,940
New York	498	13,495	32,731	46,724
Missouri	12,752	10,414	19,697	42,862
Arkansas	11,417	9,432	13,657	34,506
Utah	3,329	8,196	13,008	24,533
New Jersey	1,038	7,622	15,661	24,321
Virginia	578	8,303	14,853	23,733
Georgia	0	7,565	15,350	22,915
North Carolina	0	6,904	15,210	22,114
Minnesota	2,267	6,449	13,056	21,771
New Mexico	4,565	7,654	9,422	21,641
Indiana	697	7,779	11,739	20,215
Wisconsin	646	6,911	11,552	19,108
Massachusetts	162	5,274	11,222	16,658
Tennessee	32	5,554	10,726	16,313
Washington	0	5,039	10,628	15,666
Arizona	1	5,014	10,565	15,580
Wyoming	4,973	3,920	4,800	13,693
Maryland	6	4,159	9,003	13,167
Kentucky	360	4,464	7,381	12,206
South Carolina	2	4,107	7,107	11,216
Alabama	10	4,254	6,710	10,974
Oregon	43	3,497	7,057	10,597
Iowa	622	3,340	6,567	10,529
Kansas	653	3,505	6,082	10,240
Mississippi	1,135	2,583	5,103	8,821
Connecticut	3	2,789	5,550	8,341
Nevada	15	2,817	5,350	8,182
Nebraska	59	1,922	3,910	5,891
Idaho	2	1,171	2,560	3,733
New Hampshire	37	1,097	2,264	3,398
Delaware	276	952	1,959	3,188
Maine	0	839	2,117	2,956
Montana	0	792	1,807	2,599
South Dakota	2	642	1,652	2,296
Rhode Island	0	688	1,555	2,243
North Dakota	0	702	1,221	1,923
Vermont	0	433	1,096	1,528
US Total	436,771	645,709	1,026,023	2,108,503

Source: IHS Global Insight

Unconventional Gas Value Added: Alphabetical by State

US State-Level Value Added Contribution of Unconventional Gas: 2012				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	3	212	278	493
Arizona	0	251	377	628
Arkansas	2,006	616	612	3,234
California	414	2,117	2,833	5,364
Colorado	5,853	2,036	2,018	9,907
Connecticut	0	197	278	476
Delaware	10	49	77	136
Florida	6	629	1,232	1,866
Georgia	0	427	628	1,055
Idaho	1	59	94	153
Illinois	353	855	1,181	2,389
Indiana	15	394	469	878
Iowa	35	154	252	441
Kansas	72	178	238	488
Kentucky	9	232	299	540
Louisiana	5,582	2,312	1,721	9,615
Maine	0	44	89	133
Maryland	1	250	381	632
Massachusetts	2	359	532	892
Michigan	350	638	848	1,836
Minnesota	41	343	476	860
Mississippi	0	103	161	264
Missouri	537	490	705	1,732
Montana	0	54	69	122
Nebraska	6	109	161	276
Nevada	3	163	184	349
New Hampshire	1	61	94	156
New Jersey	30	499	717	1,247
New Mexico	170	314	242	726
New York	9	941	1,634	2,584
North Carolina	0	362	670	1,032
North Dakota	0	38	47	85
Ohio	288	857	987	2,132
Oklahoma	3,233	1,220	1,036	5,488
Oregon	4	173	268	445
Pennsylvania	5,972	3,055	2,603	11,630
Rhode Island	0	44	72	117
South Carolina	0	197	280	477
South Dakota	1	34	64	99
Tennessee	3	266	430	699
Texas	18,862	10,073	8,967	37,902
Utah	2,107	1,412	1,552	5,071
Vermont	0	25	49	74
Virginia	29	441	588	1,058
Washington	0	245	428	673
West Virginia	795	307	255	1,357
Wisconsin	26	353	453	831
Wyoming	2,265	419	340	3,024
US Total	49,096	34,608	37,967	121,670

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Gas: 2015				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	4	302	375	680
Arizona	0	355	517	872
Arkansas	3,282	936	991	5,208
California	522	2,930	3,776	7,228
Colorado	6,264	2,628	2,859	11,751
Connecticut	0	276	365	641
Delaware	15	69	104	188
Florida	9	927	1,682	2,618
Georgia	0	623	849	1,472
Idaho	1	86	128	215
Illinois	497	1,197	1,594	3,288
Indiana	23	548	628	1,198
Iowa	46	217	340	603
Kansas	97	249	322	668
Kentucky	13	324	403	740
Louisiana	6,490	2,771	2,532	11,793
Maine	0	62	118	181
Maryland	1	364	512	877
Massachusetts	4	516	706	1,225
Michigan	512	907	1,153	2,572
Minnesota	74	490	652	1,216
Mississippi	0	148	217	365
Missouri	822	699	1,001	2,522
Montana	0	78	93	172
Nebraska	7	156	218	382
Nevada	4	224	252	479
New Hampshire	1	87	126	214
New Jersey	49	748	962	1,759
New Mexico	100	395	306	802
New York	14	1,357	2,195	3,566
North Carolina	0	519	901	1,420
North Dakota	0	58	64	123
Ohio	915	1,349	1,505	3,769
Oklahoma	6,567	2,077	1,884	10,528
Oregon	5	249	363	618
Pennsylvania	7,030	5,320	4,774	17,124
Rhode Island	0	63	96	159
South Carolina	0	279	377	657
South Dakota	1	49	86	136
Tennessee	4	381	579	964
Texas	30,073	14,937	13,764	58,774
Utah	5,586	1,628	1,894	9,108
Vermont	0	36	66	102
Virginia	42	633	796	1,472
Washington	0	353	583	935
West Virginia	1,845	539	493	2,877
Wisconsin	39	503	610	1,152
Wyoming	3,739	640	596	4,975
US Total	74,697	50,282	55,409	180,387

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Gas: 2020				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	4	385	471	859
Arizona	0	457	671	1,128
Arkansas	3,328	1,020	1,081	5,429
California	511	3,466	4,550	8,527
Colorado	7,738	3,171	3,487	14,396
Connecticut	0	328	440	768
Delaware	20	85	131	236
Florida	13	1,183	2,143	3,340
Georgia	0	780	1,076	1,856
Idaho	1	110	162	273
Illinois	681	1,487	1,998	4,165
Indiana	34	682	781	1,497
Iowa	49	269	416	733
Kansas	114	309	399	821
Kentucky	19	401	507	927
Louisiana	6,005	2,821	2,547	11,373
Maine	0	77	144	221
Maryland	1	446	633	1,081
Massachusetts	6	633	859	1,499
Michigan	716	1,184	1,472	3,372
Minnesota	123	610	827	1,560
Mississippi	0	184	273	458
Missouri	1,199	938	1,331	3,469
Montana	0	98	118	216
Nebraska	6	197	272	474
Nevada	4	294	329	628
New Hampshire	1	107	155	263
New Jersey	77	959	1,197	2,234
New Mexico	98	450	365	913
New York	22	1,629	2,671	4,322
North Carolina	0	651	1,131	1,781
North Dakota	0	77	82	159
Ohio	2,851	2,150	2,387	7,388
Oklahoma	9,543	2,924	2,677	15,144
Oregon	6	317	462	785
Pennsylvania	9,424	7,000	6,226	22,649
Rhode Island	0	76	116	192
South Carolina	1	355	476	832
South Dakota	1	60	107	168
Tennessee	4	475	729	1,208
Texas	39,775	19,733	18,265	77,774
Utah	4,315	1,334	1,579	7,228
Vermont	0	44	82	127
Virginia	60	794	1,004	1,858
Washington	0	449	734	1,183
West Virginia	2,599	728	668	3,995
Wisconsin	52	632	766	1,450
Wyoming	3,363	601	550	4,514
US Total	92,766	63,159	69,545	225,470

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Gas: 2025				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	4	458	550	1,012
Arizona	0	537	797	1,334
Arkansas	3,085	1,007	1,080	5,172
California	442	3,750	5,074	9,266
Colorado	8,670	3,485	3,867	16,022
Connecticut	0	359	490	849
Delaware	27	98	151	277
Florida	15	1,388	2,511	3,914
Georgia	0	893	1,250	2,144
Idaho	0	130	190	321
Illinois	841	1,692	2,311	4,844
Indiana	48	793	905	1,745
Iowa	49	316	482	847
Kansas	118	356	457	931
Kentucky	26	466	589	1,081
Louisiana	6,193	3,016	2,711	11,919
Maine	0	87	163	250
Maryland	1	490	716	1,208
Massachusetts	9	700	961	1,670
Michigan	892	1,427	1,734	4,053
Minnesota	177	696	969	1,842
Mississippi	0	210	314	525
Missouri	1,466	1,109	1,564	4,138
Montana	0	113	137	249
Nebraska	3	226	310	540
Nevada	4	340	384	728
New Hampshire	2	119	176	297
New Jersey	111	1,125	1,383	2,619
New Mexico	85	473	401	959
New York	31	1,808	3,007	4,846
North Carolina	0	736	1,302	2,038
North Dakota	0	93	98	191
Ohio	5,108	2,988	3,304	11,399
Oklahoma	12,289	3,663	3,377	19,329
Oregon	6	367	541	915
Pennsylvania	12,439	8,770	7,803	29,012
Rhode Island	0	83	129	211
South Carolina	1	414	553	968
South Dakota	0	68	123	191
Tennessee	3	547	843	1,393
Texas	47,764	23,402	21,769	92,935
Utah	2,380	864	1,064	4,308
Vermont	0	49	92	141
Virginia	81	914	1,164	2,160
Washington	0	527	849	1,376
West Virginia	3,535	930	862	5,327
Wisconsin	64	733	891	1,689
Wyoming	1,831	410	350	2,591
US Total	107,802	73,225	80,748	261,775

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Gas: 2030				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	5	490	574	1,068
Arizona	0	568	857	1,424
Arkansas	1,854	770	830	3,454
California	422	3,771	5,172	9,365
Colorado	9,183	3,709	4,110	17,002
Connecticut	1	359	488	848
Delaware	40	107	162	310
Florida	13	1,459	2,641	4,113
Georgia	0	932	1,309	2,241
Idaho	0	137	199	336
Illinois	1,007	1,766	2,430	5,203
Indiana	75	835	942	1,852
Iowa	65	338	505	908
Kansas	135	387	483	1,005
Kentucky	38	494	616	1,148
Louisiana	6,419	3,122	2,795	12,336
Maine	0	89	166	255
Maryland	2	495	732	1,229
Massachusetts	16	707	968	1,690
Michigan	1,048	1,574	1,860	4,482
Minnesota	286	742	1,050	2,077
Mississippi	79	230	339	647
Missouri	1,403	1,097	1,544	4,043
Montana	0	117	142	259
Nebraska	5	238	320	563
Nevada	4	354	406	764
New Hampshire	3	121	180	304
New Jersey	174	1,223	1,446	2,843
New Mexico	321	581	498	1,400
New York	48	1,814	3,033	4,895
North Carolina	0	747	1,348	2,095
North Dakota	0	101	105	206
Ohio	7,997	3,914	4,284	16,195
Oklahoma	13,920	4,070	3,756	21,746
Oregon	8	379	568	955
Pennsylvania	16,243	10,675	9,492	36,410
Rhode Island	0	81	128	209
South Carolina	1	437	580	1,018
South Dakota	0	70	127	197
Tennessee	1	570	877	1,448
Texas	41,926	21,098	19,694	82,719
Utah	1,454	704	870	3,028
Vermont	0	49	93	141
Virginia	121	978	1,231	2,329
Washington	0	552	878	1,429
West Virginia	4,755	1,159	1,084	6,998
Wisconsin	83	764	930	1,777
Wyoming	1,549	401	327	2,277
US Total	110,701	75,372	83,168	269,241

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Gas: 2035				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	4	550	625	1,179
Arizona	0	637	967	1,604
Arkansas	2,351	931	986	4,269
California	452	4,058	5,563	10,074
Colorado	9,101	3,810	4,203	17,114
Connecticut	1	382	512	895
Delaware	54	122	181	357
Florida	13	1,628	2,928	4,569
Georgia	0	1,024	1,433	2,458
Idaho	1	151	218	370
Illinois	1,270	1,986	2,708	5,964
Indiana	105	920	1,027	2,052
Iowa	91	380	560	1,030
Kansas	175	452	543	1,170
Kentucky	50	545	670	1,265
Louisiana	6,905	3,329	2,967	13,202
Maine	0	95	176	271
Maryland	3	534	793	1,330
Massachusetts	23	760	1,024	1,806
Michigan	1,197	1,775	2,045	5,017
Minnesota	374	825	1,172	2,370
Mississippi	301	284	407	992
Missouri	1,421	1,148	1,607	4,176
Montana	0	129	155	285
Nebraska	6	265	349	620
Nevada	4	389	453	847
New Hampshire	4	131	194	328
New Jersey	239	1,405	1,583	3,227
New Mexico	1,008	867	760	2,636
New York	65	1,927	3,217	5,209
North Carolina	0	799	1,459	2,258
North Dakota	0	115	117	232
Ohio	10,161	4,732	5,132	20,026
Oklahoma	16,426	4,715	4,357	25,497
Oregon	8	414	627	1,049
Pennsylvania	20,565	12,908	11,494	44,967
Rhode Island	0	84	135	219
South Carolina	1	484	635	1,120
South Dakota	1	76	137	214
Tennessee	4	629	959	1,592
Texas	34,870	19,040	17,764	71,674
Utah	1,727	857	1,040	3,623
Vermont	0	51	97	148
Virginia	163	1,104	1,363	2,630
Washington	0	607	954	1,561
West Virginia	6,084	1,418	1,332	8,834
Wisconsin	108	841	1,018	1,967
Wyoming	1,936	493	403	2,832
US Total	117,272	80,806	89,049	287,127

Source: IHS Global Insight

Unconventional Gas Value Added: Ranked by Total Contribution

US State-Level Value Added Contribution of Unconventional Gas: 2012				
(2012 \$M ranked by total value added contribution)				
	Direct	Indirect	Induced	Total
Texas	18,862	10,073	8,967	37,902
Pennsylvania	5,972	3,055	2,603	11,630
Colorado	5,853	2,036	2,018	9,907
Louisiana	5,582	2,312	1,721	9,615
Oklahoma	3,233	1,220	1,036	5,488
California	414	2,117	2,833	5,364
Utah	2,107	1,412	1,552	5,071
Arkansas	2,006	616	612	3,234
Wyoming	2,265	419	340	3,024
New York	9	941	1,634	2,584
Illinois	353	855	1,181	2,389
Ohio	288	857	987	2,132
Florida	6	629	1,232	1,866
Michigan	350	638	848	1,836
Missouri	537	490	705	1,732
West Virginia	795	307	255	1,357
New Jersey	30	499	717	1,247
Virginia	29	441	588	1,058
Georgia	0	427	628	1,055
North Carolina	0	362	670	1,032
Massachusetts	2	359	532	892
Indiana	15	394	469	878
Minnesota	41	343	476	860
Wisconsin	26	353	453	831
New Mexico	170	314	242	726
Tennessee	3	266	430	699
Washington	0	245	428	673
Maryland	1	250	381	632
Arizona	0	251	377	628
Kentucky	9	232	299	540
Alabama	3	212	278	493
Kansas	72	178	238	488
South Carolina	0	197	280	477
Connecticut	0	197	278	476
Oregon	4	173	268	445
Iowa	35	154	252	441
Nevada	3	163	184	349
Nebraska	6	109	161	276
Mississippi	0	103	161	264
New Hampshire	1	61	94	156
Idaho	1	59	94	153
Delaware	10	49	77	136
Maine	0	44	89	133
Montana	0	54	69	122
Rhode Island	0	44	72	117
South Dakota	1	34	64	99
North Dakota	0	38	47	85
Vermont	0	25	49	74
US Total	49,096	34,608	37,967	121,670

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Gas: 2015				
(2012 \$M ranked by total value added contribution)				
	Direct	Indirect	Induced	Total
Texas	30,073	14,937	13,764	58,774
Pennsylvania	7,030	5,320	4,774	17,124
Louisiana	6,490	2,771	2,532	11,793
Colorado	6,264	2,628	2,859	11,751
Oklahoma	6,567	2,077	1,884	10,528
Utah	5,586	1,628	1,894	9,108
California	522	2,930	3,776	7,228
Arkansas	3,282	936	991	5,208
Wyoming	3,739	640	596	4,975
Ohio	915	1,349	1,505	3,769
New York	14	1,357	2,195	3,566
Illinois	497	1,197	1,594	3,288
West Virginia	1,845	539	493	2,877
Florida	9	927	1,682	2,618
Michigan	512	907	1,153	2,572
Missouri	822	699	1,001	2,522
New Jersey	49	748	962	1,759
Georgia	0	623	849	1,472
Virginia	42	633	796	1,472
North Carolina	0	519	901	1,420
Massachusetts	4	516	706	1,225
Minnesota	74	490	652	1,216
Indiana	23	548	628	1,198
Wisconsin	39	503	610	1,152
Tennessee	4	381	579	964
Washington	0	353	583	935
Maryland	1	364	512	877
Arizona	0	355	517	872
New Mexico	100	395	306	802
Kentucky	13	324	403	740
Alabama	4	302	375	680
Kansas	97	249	322	668
South Carolina	0	279	377	657
Connecticut	0	276	365	641
Oregon	5	249	363	618
Iowa	46	217	340	603
Nevada	4	224	252	479
Nebraska	7	156	218	382
Mississippi	0	148	217	365
Idaho	1	86	128	215
New Hampshire	1	87	126	214
Delaware	15	69	104	188
Maine	0	62	118	181
Montana	0	78	93	172
Rhode Island	0	63	96	159
South Dakota	1	49	86	136
North Dakota	0	58	64	123
Vermont	0	36	66	102
US Total	74,697	50,282	55,409	180,387

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Gas: 2020				
(2012 \$M ranked by total value added contribution)				
	Direct	Indirect	Induced	Total
Texas	39,775	19,733	18,265	77,774
Pennsylvania	9,424	7,000	6,226	22,649
Oklahoma	9,543	2,924	2,677	15,144
Colorado	7,738	3,171	3,487	14,396
Louisiana	6,005	2,821	2,547	11,373
California	511	3,466	4,550	8,527
Ohio	2,851	2,150	2,387	7,388
Utah	4,315	1,334	1,579	7,228
Arkansas	3,328	1,020	1,081	5,429
Wyoming	3,363	601	550	4,514
New York	22	1,629	2,671	4,322
Illinois	681	1,487	1,998	4,165
West Virginia	2,599	728	668	3,995
Missouri	1,199	938	1,331	3,469
Michigan	716	1,184	1,472	3,372
Florida	13	1,183	2,143	3,340
New Jersey	77	959	1,197	2,234
Virginia	60	794	1,004	1,858
Georgia	0	780	1,076	1,856
North Carolina	0	651	1,131	1,781
Minnesota	123	610	827	1,560
Massachusetts	6	633	859	1,499
Indiana	34	682	781	1,497
Wisconsin	52	632	766	1,450
Tennessee	4	475	729	1,208
Washington	0	449	734	1,183
Arizona	0	457	671	1,128
Maryland	1	446	633	1,081
Kentucky	19	401	507	927
New Mexico	98	450	365	913
Alabama	4	385	471	859
South Carolina	1	355	476	832
Kansas	114	309	399	821
Oregon	6	317	462	785
Connecticut	0	328	440	768
Iowa	49	269	416	733
Nevada	4	294	329	628
Nebraska	6	197	272	474
Mississippi	0	184	273	458
Idaho	1	110	162	273
New Hampshire	1	107	155	263
Delaware	20	85	131	236
Maine	0	77	144	221
Montana	0	98	118	216
Rhode Island	0	76	116	192
South Dakota	1	60	107	168
North Dakota	0	77	82	159
Vermont	0	44	82	127
US Total	92,766	63,159	69,545	225,470

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Gas: 2025				
(2012 \$M ranked by total value added contribution)				
	Direct	Indirect	Induced	Total
Texas	47,764	23,402	21,769	92,935
Pennsylvania	12,439	8,770	7,803	29,012
Oklahoma	12,289	3,663	3,377	19,329
Colorado	8,670	3,485	3,867	16,022
Louisiana	6,193	3,016	2,711	11,919
Ohio	5,108	2,988	3,304	11,399
California	442	3,750	5,074	9,266
West Virginia	3,535	930	862	5,327
Arkansas	3,085	1,007	1,080	5,172
New York	31	1,808	3,007	4,846
Illinois	841	1,692	2,311	4,844
Utah	2,380	864	1,064	4,308
Missouri	1,466	1,109	1,564	4,138
Michigan	892	1,427	1,734	4,053
Florida	15	1,388	2,511	3,914
New Jersey	111	1,125	1,383	2,619
Wyoming	1,831	410	350	2,591
Virginia	81	914	1,164	2,160
Georgia	0	893	1,250	2,144
North Carolina	0	736	1,302	2,038
Minnesota	177	696	969	1,842
Indiana	48	793	905	1,745
Wisconsin	64	733	891	1,689
Massachusetts	9	700	961	1,670
Tennessee	3	547	843	1,393
Washington	0	527	849	1,376
Arizona	0	537	797	1,334
Maryland	1	490	716	1,208
Kentucky	26	466	589	1,081
Alabama	4	458	550	1,012
South Carolina	1	414	553	968
New Mexico	85	473	401	959
Kansas	118	356	457	931
Oregon	6	367	541	915
Connecticut	0	359	490	849
Iowa	49	316	482	847
Nevada	4	340	384	728
Nebraska	3	226	310	540
Mississippi	0	210	314	525
Idaho	0	130	190	321
New Hampshire	2	119	176	297
Delaware	27	98	151	277
Maine	0	87	163	250
Montana	0	113	137	249
Rhode Island	0	83	129	211
North Dakota	0	93	98	191
South Dakota	0	68	123	191
Vermont	0	49	92	141
US Total	107,802	73,225	80,748	261,775

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Gas: 2030				
(2012 \$M ranked by total value added contribution)				
	Direct	Indirect	Induced	Total
Texas	41,926	21,098	19,694	82,719
Pennsylvania	16,243	10,675	9,492	36,410
Oklahoma	13,920	4,070	3,756	21,746
Colorado	9,183	3,709	4,110	17,002
Ohio	7,997	3,914	4,284	16,195
Louisiana	6,419	3,122	2,795	12,336
California	422	3,771	5,172	9,365
West Virginia	4,755	1,159	1,084	6,998
Illinois	1,007	1,766	2,430	5,203
New York	48	1,814	3,033	4,895
Michigan	1,048	1,574	1,860	4,482
Florida	13	1,459	2,641	4,113
Missouri	1,403	1,097	1,544	4,043
Arkansas	1,854	770	830	3,454
Utah	1,454	704	870	3,028
New Jersey	174	1,223	1,446	2,843
Virginia	121	978	1,231	2,329
Wyoming	1,549	401	327	2,277
Georgia	0	932	1,309	2,241
North Carolina	0	747	1,348	2,095
Minnesota	286	742	1,050	2,077
Indiana	75	835	942	1,852
Wisconsin	83	764	930	1,777
Massachusetts	16	707	968	1,690
Tennessee	1	570	877	1,448
Washington	0	552	878	1,429
Arizona	0	568	857	1,424
New Mexico	321	581	498	1,400
Maryland	2	495	732	1,229
Kentucky	38	494	616	1,148
Alabama	5	490	574	1,068
South Carolina	1	437	580	1,018
Kansas	135	387	483	1,005
Oregon	8	379	568	955
Iowa	65	338	505	908
Connecticut	1	359	488	848
Nevada	4	354	406	764
Mississippi	79	230	339	647
Nebraska	5	238	320	563
Idaho	0	137	199	336
Delaware	40	107	162	310
New Hampshire	3	121	180	304
Montana	0	117	142	259
Maine	0	89	166	255
Rhode Island	0	81	128	209
North Dakota	0	101	105	206
South Dakota	0	70	127	197
Vermont	0	49	93	141
US Total	110,701	75,372	83,168	269,241

Source: IHS Global Insight

US State-Level Value Added Contribution of Unconventional Gas: 2035				
(2012 \$M ranked by total value added contribution)				
	Direct	Indirect	Induced	Total
Texas	34,870	19,040	17,764	71,674
Pennsylvania	20,565	12,908	11,494	44,967
Oklahoma	16,426	4,715	4,357	25,497
Ohio	10,161	4,732	5,132	20,026
Colorado	9,101	3,810	4,203	17,114
Louisiana	6,905	3,329	2,967	13,202
California	452	4,058	5,563	10,074
West Virginia	6,084	1,418	1,332	8,834
Illinois	1,270	1,986	2,708	5,964
New York	65	1,927	3,217	5,209
Michigan	1,197	1,775	2,045	5,017
Florida	13	1,628	2,928	4,569
Arkansas	2,351	931	986	4,269
Missouri	1,421	1,148	1,607	4,176
Utah	1,727	857	1,040	3,623
New Jersey	239	1,405	1,583	3,227
Wyoming	1,936	493	403	2,832
New Mexico	1,008	867	760	2,636
Virginia	163	1,104	1,363	2,630
Georgia	0	1,024	1,433	2,458
Minnesota	374	825	1,172	2,370
North Carolina	0	799	1,459	2,258
Indiana	105	920	1,027	2,052
Wisconsin	108	841	1,018	1,967
Massachusetts	23	760	1,024	1,806
Arizona	0	637	967	1,604
Tennessee	4	629	959	1,592
Washington	0	607	954	1,561
Maryland	3	534	793	1,330
Kentucky	50	545	670	1,265
Alabama	4	550	625	1,179
Kansas	175	452	543	1,170
South Carolina	1	484	635	1,120
Oregon	8	414	627	1,049
Iowa	91	380	560	1,030
Mississippi	301	284	407	992
Connecticut	1	382	512	895
Nevada	4	389	453	847
Nebraska	6	265	349	620
Idaho	1	151	218	370
Delaware	54	122	181	357
New Hampshire	4	131	194	328
Montana	0	129	155	285
Maine	0	95	176	271
North Dakota	0	115	117	232
Rhode Island	0	84	135	219
South Dakota	1	76	137	214
Vermont	0	51	97	148
US Total	117,272	80,806	89,049	287,127

Source: IHS Global Insight

Unconventional Gas Labor Income: Alphabetical by State

US State-Level Labor Income Contribution of Unconventional Gas: 2012				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	3	212	278	493
Arizona	0	251	377	628
Arkansas	2,006	616	612	3,234
California	414	2,117	2,833	5,364
Colorado	5,853	2,036	2,018	9,907
Connecticut	0	197	278	476
Delaware	10	49	77	136
Florida	6	629	1,232	1,866
Georgia	0	427	628	1,055
Idaho	1	59	94	153
Illinois	353	855	1,181	2,389
Indiana	15	394	469	878
Iowa	35	154	252	441
Kansas	72	178	238	488
Kentucky	9	232	299	540
Louisiana	5,582	2,312	1,721	9,615
Maine	0	44	89	133
Maryland	1	250	381	632
Massachusetts	2	359	532	892
Michigan	350	638	848	1,836
Minnesota	41	343	476	860
Mississippi	0	103	161	264
Missouri	537	490	705	1,732
Montana	0	54	69	122
Nebraska	6	109	161	276
Nevada	3	163	184	349
New Hampshire	1	61	94	156
New Jersey	30	499	717	1,247
New Mexico	170	314	242	726
New York	9	941	1,634	2,584
North Carolina	0	362	670	1,032
North Dakota	0	38	47	85
Ohio	288	857	987	2,132
Oklahoma	3,233	1,220	1,036	5,488
Oregon	4	173	268	445
Pennsylvania	5,972	3,055	2,603	11,630
Rhode Island	0	44	72	117
South Carolina	0	197	280	477
South Dakota	1	34	64	99
Tennessee	3	266	430	699
Texas	18,862	10,073	8,967	37,902
Utah	2,107	1,412	1,552	5,071
Vermont	0	25	49	74
Virginia	29	441	588	1,058
Washington	0	245	428	673
West Virginia	795	307	255	1,357
Wisconsin	26	353	453	831
Wyoming	2,265	419	340	3,024
US Total	22,337	20,276	21,440	64,053

Source: IHS Global Insight

US State-Level Labor Income Contribution of Unconventional Gas: 2015				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	4	302	375	680
Arizona	0	355	517	872
Arkansas	3,282	936	991	5,208
California	522	2,930	3,776	7,228
Colorado	6,264	2,628	2,859	11,751
Connecticut	0	276	365	641
Delaware	15	69	104	188
Florida	9	927	1,682	2,618
Georgia	0	623	849	1,472
Idaho	1	86	128	215
Illinois	497	1,197	1,594	3,288
Indiana	23	548	628	1,198
Iowa	46	217	340	603
Kansas	97	249	322	668
Kentucky	13	324	403	740
Louisiana	6,490	2,771	2,532	11,793
Maine	0	62	118	181
Maryland	1	364	512	877
Massachusetts	4	516	706	1,225
Michigan	512	907	1,153	2,572
Minnesota	74	490	652	1,216
Mississippi	0	148	217	365
Missouri	822	699	1,001	2,522
Montana	0	78	93	172
Nebraska	7	156	218	382
Nevada	4	224	252	479
New Hampshire	1	87	126	214
New Jersey	49	748	962	1,759
New Mexico	100	395	306	802
New York	14	1,357	2,195	3,566
North Carolina	0	519	901	1,420
North Dakota	0	58	64	123
Ohio	915	1,349	1,505	3,769
Oklahoma	6,567	2,077	1,884	10,528
Oregon	5	249	363	618
Pennsylvania	7,030	5,320	4,774	17,124
Rhode Island	0	63	96	159
South Carolina	0	279	377	657
South Dakota	1	49	86	136
Tennessee	4	381	579	964
Texas	30,073	14,937	13,764	58,774
Utah	5,586	1,628	1,894	9,108
Vermont	0	36	66	102
Virginia	42	633	796	1,472
Washington	0	353	583	935
West Virginia	1,845	539	493	2,877
Wisconsin	39	503	610	1,152
Wyoming	3,739	640	596	4,975
US Total	33,006	29,215	31,289	93,509

Source: IHS Global Insight

US State-Level Labor Income Contribution of Unconventional Gas: 2020				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	4	385	471	859
Arizona	0	457	671	1,128
Arkansas	3,328	1,020	1,081	5,429
California	511	3,466	4,550	8,527
Colorado	7,738	3,171	3,487	14,396
Connecticut	0	328	440	768
Delaware	20	85	131	236
Florida	13	1,183	2,143	3,340
Georgia	0	780	1,076	1,856
Idaho	1	110	162	273
Illinois	681	1,487	1,998	4,165
Indiana	34	682	781	1,497
Iowa	49	269	416	733
Kansas	114	309	399	821
Kentucky	19	401	507	927
Louisiana	6,005	2,821	2,547	11,373
Maine	0	77	144	221
Maryland	1	446	633	1,081
Massachusetts	6	633	859	1,499
Michigan	716	1,184	1,472	3,372
Minnesota	123	610	827	1,560
Mississippi	0	184	273	458
Missouri	1,199	938	1,331	3,469
Montana	0	98	118	216
Nebraska	6	197	272	474
Nevada	4	294	329	628
New Hampshire	1	107	155	263
New Jersey	77	959	1,197	2,234
New Mexico	98	450	365	913
New York	22	1,629	2,671	4,322
North Carolina	0	651	1,131	1,781
North Dakota	0	77	82	159
Ohio	2,851	2,150	2,387	7,388
Oklahoma	9,543	2,924	2,677	15,144
Oregon	6	317	462	785
Pennsylvania	9,424	7,000	6,226	22,649
Rhode Island	0	76	116	192
South Carolina	1	355	476	832
South Dakota	1	60	107	168
Tennessee	4	475	729	1,208
Texas	39,775	19,733	18,265	77,774
Utah	4,315	1,334	1,579	7,228
Vermont	0	44	82	127
Virginia	60	794	1,004	1,858
Washington	0	449	734	1,183
West Virginia	2,599	728	668	3,995
Wisconsin	52	632	766	1,450
Wyoming	3,363	601	550	4,514
US Total	41,304	36,778	39,272	117,353

Source: IHS Global Insight

US State-Level Labor Income Contribution of Unconventional Gas: 2025				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	4	458	550	1,012
Arizona	0	537	797	1,334
Arkansas	3,085	1,007	1,080	5,172
California	442	3,750	5,074	9,266
Colorado	8,670	3,485	3,867	16,022
Connecticut	0	359	490	849
Delaware	27	98	151	277
Florida	15	1,388	2,511	3,914
Georgia	0	893	1,250	2,144
Idaho	0	130	190	321
Illinois	841	1,692	2,311	4,844
Indiana	48	793	905	1,745
Iowa	49	316	482	847
Kansas	118	356	457	931
Kentucky	26	466	589	1,081
Louisiana	6,193	3,016	2,711	11,919
Maine	0	87	163	250
Maryland	1	490	716	1,208
Massachusetts	9	700	961	1,670
Michigan	892	1,427	1,734	4,053
Minnesota	177	696	969	1,842
Mississippi	0	210	314	525
Missouri	1,466	1,109	1,564	4,138
Montana	0	113	137	249
Nebraska	3	226	310	540
Nevada	4	340	384	728
New Hampshire	2	119	176	297
New Jersey	111	1,125	1,383	2,619
New Mexico	85	473	401	959
New York	31	1,808	3,007	4,846
North Carolina	0	736	1,302	2,038
North Dakota	0	93	98	191
Ohio	5,108	2,988	3,304	11,399
Oklahoma	12,289	3,663	3,377	19,329
Oregon	6	367	541	915
Pennsylvania	12,439	8,770	7,803	29,012
Rhode Island	0	83	129	211
South Carolina	1	414	553	968
South Dakota	0	68	123	191
Tennessee	3	547	843	1,393
Texas	47,764	23,402	21,769	92,935
Utah	2,380	864	1,064	4,308
Vermont	0	49	92	141
Virginia	81	914	1,164	2,160
Washington	0	527	849	1,376
West Virginia	3,535	930	862	5,327
Wisconsin	64	733	891	1,689
Wyoming	1,831	410	350	2,591
US Total	48,023	42,637	45,598	136,258

Source: IHS Global Insight

US State-Level Labor Income Contribution of Unconventional Gas: 2030				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	5	490	574	1,068
Arizona	0	568	857	1,424
Arkansas	1,854	770	830	3,454
California	422	3,771	5,172	9,365
Colorado	9,183	3,709	4,110	17,002
Connecticut	1	359	488	848
Delaware	40	107	162	310
Florida	13	1,459	2,641	4,113
Georgia	0	932	1,309	2,241
Idaho	0	137	199	336
Illinois	1,007	1,766	2,430	5,203
Indiana	75	835	942	1,852
Iowa	65	338	505	908
Kansas	135	387	483	1,005
Kentucky	38	494	616	1,148
Louisiana	6,419	3,122	2,795	12,336
Maine	0	89	166	255
Maryland	2	495	732	1,229
Massachusetts	16	707	968	1,690
Michigan	1,048	1,574	1,860	4,482
Minnesota	286	742	1,050	2,077
Mississippi	79	230	339	647
Missouri	1,403	1,097	1,544	4,043
Montana	0	117	142	259
Nebraska	5	238	320	563
Nevada	4	354	406	764
New Hampshire	3	121	180	304
New Jersey	174	1,223	1,446	2,843
New Mexico	321	581	498	1,400
New York	48	1,814	3,033	4,895
North Carolina	0	747	1,348	2,095
North Dakota	0	101	105	206
Ohio	7,997	3,914	4,284	16,195
Oklahoma	13,920	4,070	3,756	21,746
Oregon	8	379	568	955
Pennsylvania	16,243	10,675	9,492	36,410
Rhode Island	0	81	128	209
South Carolina	1	437	580	1,018
South Dakota	0	70	127	197
Tennessee	1	570	877	1,448
Texas	41,926	21,098	19,694	82,719
Utah	1,454	704	870	3,028
Vermont	0	49	93	141
Virginia	121	978	1,231	2,329
Washington	0	552	878	1,429
West Virginia	4,755	1,159	1,084	6,998
Wisconsin	83	764	930	1,777
Wyoming	1,549	401	327	2,277
US Total	49,457	43,917	46,965	140,338

Source: IHS Global Insight

US State-Level Labor Income Contribution of Unconventional Gas: 2035				
(2012 \$M)				
	Direct	Indirect	Induced	Total
Alabama	4	550	625	1,179
Arizona	0	637	967	1,604
Arkansas	2,351	931	986	4,269
California	452	4,058	5,563	10,074
Colorado	9,101	3,810	4,203	17,114
Connecticut	1	382	512	895
Delaware	54	122	181	357
Florida	13	1,628	2,928	4,569
Georgia	0	1,024	1,433	2,458
Idaho	1	151	218	370
Illinois	1,270	1,986	2,708	5,964
Indiana	105	920	1,027	2,052
Iowa	91	380	560	1,030
Kansas	175	452	543	1,170
Kentucky	50	545	670	1,265
Louisiana	6,905	3,329	2,967	13,202
Maine	0	95	176	271
Maryland	3	534	793	1,330
Massachusetts	23	760	1,024	1,806
Michigan	1,197	1,775	2,045	5,017
Minnesota	374	825	1,172	2,370
Mississippi	301	284	407	992
Missouri	1,421	1,148	1,607	4,176
Montana	0	129	155	285
Nebraska	6	265	349	620
Nevada	4	389	453	847
New Hampshire	4	131	194	328
New Jersey	239	1,405	1,583	3,227
New Mexico	1,008	867	760	2,636
New York	65	1,927	3,217	5,209
North Carolina	0	799	1,459	2,258
North Dakota	0	115	117	232
Ohio	10,161	4,732	5,132	20,026
Oklahoma	16,426	4,715	4,357	25,497
Oregon	8	414	627	1,049
Pennsylvania	20,565	12,908	11,494	44,967
Rhode Island	0	84	135	219
South Carolina	1	484	635	1,120
South Dakota	1	76	137	214
Tennessee	4	629	959	1,592
Texas	34,870	19,040	17,764	71,674
Utah	1,727	857	1,040	3,623
Vermont	0	51	97	148
Virginia	163	1,104	1,363	2,630
Washington	0	607	954	1,561
West Virginia	6,084	1,418	1,332	8,834
Wisconsin	108	841	1,018	1,967
Wyoming	1,936	493	403	2,832
US Total	52,780	47,183	50,286	150,248

Source: IHS Global Insight

Unconventional Gas Government Revenue and Private Lease Payments by State

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Alabama							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	64	89	113	133	140	155	2,686
Personal Taxes	51	74	93	109	115	127	2,205
Corporate Taxes	12	16	20	24	25	28	481
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	82	108	134	155	157	166	3,102
Personal Taxes	9	13	16	19	19	19	372
Corporate Taxes	73	95	118	136	138	147	2,730
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	145	197	247	288	297	321	5,788
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Arizona							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	79	113	146	173	185	208	3,502
Personal Taxes	63	92	119	141	150	169	2,845
Corporate Taxes	16	21	27	32	35	39	657
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	89	118	149	173	176	190	3,462
Personal Taxes	10	15	20	23	23	24	452
Corporate Taxes	79	103	130	150	153	166	3,011
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	168	231	296	346	361	398	6,964
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Arkansas							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	395	627	660	633	432	533	12,715
Personal Taxes	290	454	484	466	328	407	9,391
Corporate Taxes	96	159	162	153	96	119	3,048
Federal Royalty Payments	8	13	14	13	7	8	264
Federal Bonus Payments	1	1	1	0	0	0	13
State and Local Taxes	480	804	821	781	463	540	15,530
Personal Taxes	54	86	93	90	59	68	1,750
Corporate Taxes	260	431	430	397	239	282	7,939
Severance Taxes	126	218	227	225	126	146	4,456
Ad Valorem Taxes	38	66	68	67	38	42	1,332
State Royalty Payments	1	2	3	3	1	1	50
State Bonus Payments	0	0	0	0	0	0	3
Total Government Revenue	874	1,430	1,481	1,414	895	1,073	28,245
Lease Payments to Private Landowners	7	8	9	7	4	11	172

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: California							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	695	947	1,118	1,214	1,224	1,314	25,124
Personal Taxes	564	776	917	995	1,001	1,071	20,558
Corporate Taxes	132	171	201	219	223	242	4,565
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	815	1,081	1,259	1,350	1,302	1,339	27,611
Personal Taxes	197	275	330	359	337	337	7,145
Corporate Taxes	618	806	929	991	965	1,002	20,466
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	1,510	2,028	2,377	2,565	2,526	2,652	52,735
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Colorado							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	1,254	1,521	1,894	2,118	2,256	2,284	44,052
Personal Taxes	853	1,038	1,261	1,392	1,485	1,509	28,997
Corporate Taxes	307	354	437	491	519	517	10,092
Federal Royalty Payments	94	129	196	235	252	258	4,960
Federal Bonus Payments	0	0	0	0	0	0	3
State and Local Taxes	1,308	1,648	2,196	2,522	2,627	2,614	52,206
Personal Taxes	197	243	300	332	330	314	6,662
Corporate Taxes	646	749	905	995	1,004	959	20,271
Severance Taxes	222	317	474	571	620	653	12,137
Ad Valorem Taxes	232	324	494	597	644	659	12,574
State Royalty Payments	10	14	22	26	28	29	549
State Bonus Payments	1	1	1	1	1	0	13
Total Government Revenue	2,562	3,169	4,090	4,640	4,882	4,898	96,258
Lease Payments to Private Landowners	20	26	33	37	43	44	858

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Connecticut							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	62	85	102	113	113	119	2,296
Personal Taxes	50	70	85	94	94	99	1,901
Corporate Taxes	12	15	17	19	19	20	395
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	64	84	99	107	102	102	2,158
Personal Taxes	18	25	31	35	32	32	675
Corporate Taxes	46	58	68	73	69	71	1,482
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	125	168	201	220	214	221	4,454
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Delaware							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	18	25	32	37	42	48	776
Personal Taxes	15	21	27	31	35	40	650
Corporate Taxes	3	4	5	6	7	8	126
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	22	29	35	40	43	47	832
Personal Taxes	4	6	8	10	10	11	192
Corporate Taxes	17	22	27	31	33	37	640
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	40	54	67	78	85	96	1,608
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Florida							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	238	341	436	512	537	595	10,302
Personal Taxes	190	278	357	419	439	485	8,408
Corporate Taxes	48	63	80	93	98	110	1,894
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	95	126	156	178	180	193	3,585
Personal Taxes	0	0	0	0	0	0	0
Corporate Taxes	95	126	156	178	180	193	3,585
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	333	467	592	690	717	788	13,887
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Georgia							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	133	188	238	277	290	318	5,592
Personal Taxes	105	151	192	224	234	257	4,513
Corporate Taxes	28	37	46	53	55	61	1,079
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	134	182	225	254	253	264	5,094
Personal Taxes	29	42	55	64	62	64	1,236
Corporate Taxes	105	140	171	190	191	200	3,857
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	266	371	464	531	542	582	10,686
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Idaho							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	20	28	36	42	44	48	850
Personal Taxes	16	24	30	35	36	40	700
Corporate Taxes	4	5	6	7	8	9	150
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	27	36	46	53	54	57	1,055
Personal Taxes	4	5	7	8	8	8	153
Corporate Taxes	24	31	39	45	46	49	902
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	47	65	82	95	98	105	1,905
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Illinois							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	317	441	561	654	703	807	13,407
Personal Taxes	262	368	470	549	591	678	11,242
Corporate Taxes	55	73	91	105	112	128	2,165
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	251	338	419	477	486	530	9,656
Personal Taxes	48	68	89	104	104	112	2,041
Corporate Taxes	203	269	330	373	382	418	7,615
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	568	778	979	1,130	1,189	1,337	23,063
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.
**2012-2035 represents the total for all years including those years not reported.
Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Indiana							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	115	159	200	233	247	274	4,743
Personal Taxes	93	132	166	194	206	228	3,944
Corporate Taxes	21	27	34	39	41	46	800
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	82	108	133	152	154	162	3,062
Personal Taxes	20	29	37	44	43	45	851
Corporate Taxes	61	79	96	109	110	118	2,211
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	196	268	333	386	401	436	7,805
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.
**2012-2035 represents the total for all years including those years not reported.
Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Iowa							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	57	80	97	112	120	137	2,320
Personal Taxes	47	66	80	93	100	113	1,917
Corporate Taxes	11	14	17	19	21	23	403
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	25	33	40	46	46	50	926
Personal Taxes	9	13	17	19	19	21	385
Corporate Taxes	15	20	23	26	27	29	541
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	82	113	137	158	167	187	3,246
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.
**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Kansas							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	62	86	106	120	129	150	2,504
Personal Taxes	49	69	85	96	104	121	2,017
Corporate Taxes	13	17	21	23	25	29	487
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	29	40	48	54	55	61	1,108
Personal Taxes	11	16	20	23	23	25	458
Corporate Taxes	18	23	28	31	32	36	650
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	91	125	154	174	184	211	3,612
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.
**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Kentucky							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	69	96	121	141	150	166	2,874
Personal Taxes	55	79	99	116	123	136	2,348
Corporate Taxes	14	18	22	26	27	30	526
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	79	104	128	147	148	155	2,944
Personal Taxes	13	19	25	29	29	30	569
Corporate Taxes	65	85	103	117	119	126	2,376
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	148	201	249	288	298	321	5,819
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Louisiana							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	1,172	1,381	1,343	1,411	1,460	1,559	31,388
Personal Taxes	883	997	977	1,030	1,067	1,135	22,879
Corporate Taxes	279	370	352	367	380	409	8,183
Federal Royalty Payments	5	8	7	8	8	10	187
Federal Bonus Payments	6	7	6	6	5	5	140
State and Local Taxes	1,144	1,506	1,427	1,472	1,506	1,687	33,681
Personal Taxes	126	145	144	153	147	146	3,264
Corporate Taxes	748	996	926	946	935	964	20,965
Severance Taxes	76	72	81	85	120	225	2,483
Ad Valorem Taxes	56	90	87	93	102	124	2,247
State Royalty Payments	94	152	144	153	163	190	3,681
State Bonus Payments	43	50	46	44	39	38	1,041
Total Government Revenue	2,316	2,887	2,770	2,883	2,966	3,246	65,069
Lease Payments to Private Landowners	32	43	49	54	55	52	1,189

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Maine							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	17	24	30	34	34	37	682
Personal Taxes	14	20	25	28	29	31	571
Corporate Taxes	3	4	5	5	6	6	111
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	17	22	26	29	28	29	588
Personal Taxes	4	6	7	8	8	8	159
Corporate Taxes	13	16	19	21	20	21	428
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	34	46	56	63	63	65	1,270
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Maryland							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	82	116	144	161	163	176	3,261
Personal Taxes	67	96	119	133	135	145	2,698
Corporate Taxes	15	20	24	27	28	31	563
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	121	163	198	218	212	220	4,386
Personal Taxes	29	43	54	60	57	57	1,178
Corporate Taxes	92	121	144	158	155	162	3,209
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	204	280	341	379	375	395	7,647
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Massachusetts							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	117	164	201	224	227	242	4,555
Personal Taxes	97	137	168	188	189	201	3,803
Corporate Taxes	21	27	33	37	37	40	752
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	92	125	151	167	160	163	3,332
Personal Taxes	36	52	65	73	68	68	1,419
Corporate Taxes	56	73	86	94	92	95	1,913
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	210	289	353	391	387	404	7,887
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Michigan							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	247	349	458	552	610	682	11,200
Personal Taxes	207	294	387	466	515	576	9,456
Corporate Taxes	40	55	71	85	95	106	1,745
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	211	291	374	441	464	497	8,836
Personal Taxes	43	62	83	100	103	108	1,949
Corporate Taxes	168	229	291	341	361	389	6,887
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	458	639	832	993	1,074	1,179	20,036
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Minnesota							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	111	160	206	245	277	316	5,066
Personal Taxes	90	131	170	203	230	263	4,190
Corporate Taxes	21	28	36	42	47	53	876
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	111	154	193	224	239	258	4,563
Personal Taxes	30	45	60	71	75	80	1,413
Corporate Taxes	81	108	134	153	163	178	3,150
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	222	313	400	469	515	574	9,629
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.
**2012-2035 represents the total for all years including those years not reported.
Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Mississippi							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	34	48	60	69	83	123	1,564
Personal Taxes	27	39	50	57	67	97	1,267
Corporate Taxes	7	9	11	12	16	27	296
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	54	70	86	96	125	217	2,365
Personal Taxes	3	5	7	8	8	11	160
Corporate Taxes	50	65	79	89	111	179	2,107
Severance Taxes	0	0	0	0	4	20	74
Ad Valorem Taxes	0	0	0	0	1	6	22
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	1	2
Total Government Revenue	87	118	146	165	209	340	3,929
Lease Payments to Private Landowners	0	0	0	0	1	3	12

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.
**2012-2035 represents the total for all years including those years not reported.
Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Missouri							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	239	349	482	576	562	580	10,951
Personal Taxes	204	299	414	496	483	498	9,409
Corporate Taxes	35	50	68	80	79	82	1,543
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	141	204	276	324	301	296	6,072
Personal Taxes	43	65	91	109	99	96	1,997
Corporate Taxes	98	139	185	215	201	200	4,076
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	380	553	758	900	863	876	17,024
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Montana							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	15	21	27	31	32	36	630
Personal Taxes	12	17	21	25	26	28	495
Corporate Taxes	3	5	6	7	7	8	135
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	23	31	38	43	43	45	864
Personal Taxes	2	3	4	5	5	5	96
Corporate Taxes	21	28	34	38	38	40	768
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	38	52	65	74	75	81	1,494
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Nebraska							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	35	50	62	71	74	82	1,447
Personal Taxes	28	40	51	58	61	68	1,186
Corporate Taxes	7	9	11	13	13	14	260
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	16	22	27	30	30	31	606
Personal Taxes	6	8	11	12	12	12	241
Corporate Taxes	10	14	16	18	18	19	365
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	51	72	89	101	104	113	2,052
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.
**2012-2035 represents the total for all years including those years not reported.
Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Nevada							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	42	59	77	89	94	104	1,798
Personal Taxes	32	45	59	69	72	80	1,385
Corporate Taxes	10	13	18	20	21	24	413
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	31	41	52	59	60	63	1,185
Personal Taxes	0	0	0	0	0	0	0
Corporate Taxes	31	41	52	59	60	63	1,185
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	73	99	129	148	153	167	2,983
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.
**2012-2035 represents the total for all years including those years not reported.
Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: New Hampshire
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	21	29	35	40	41	44	813
Personal Taxes	17	24	30	33	34	37	681
Corporate Taxes	4	5	6	6	7	7	132
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	9	11	14	15	15	15	304
Personal Taxes	0	0	1	1	1	1	11
Corporate Taxes	8	11	13	14	14	15	293
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	29	40	49	55	56	59	1,117
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: New Jersey
(2012 \$M)

	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	157	223	282	329	355	399	6,740
Personal Taxes	124	178	224	260	278	310	5,314
Corporate Taxes	33	45	58	69	77	89	1,426
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	136	190	240	280	291	318	5,634
Personal Taxes	35	51	66	76	76	79	1,498
Corporate Taxes	101	139	175	204	215	239	4,137
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	293	413	523	609	646	717	12,374
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: New Mexico							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	94	102	115	120	175	328	3,320
Personal Taxes	76	82	92	94	133	239	2,554
Corporate Taxes	18	20	24	26	39	77	720
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	3	11	46
State and Local Taxes	199	228	259	272	436	922	8,123
Personal Taxes	13	14	16	16	22	36	423
Corporate Taxes	186	214	243	256	373	707	7,036
Severance Taxes	0	0	0	0	25	115	417
Ad Valorem Taxes	0	0	0	0	5	23	86
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	11	40	162
Total Government Revenue	293	330	374	392	611	1,250	11,444
Lease Payments to Private Landowners	0	0	0	0	3	8	35

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: New York							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	337	475	577	647	651	691	13,094
Personal Taxes	275	395	480	538	540	571	10,868
Corporate Taxes	62	80	97	109	111	119	2,226
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	494	660	789	874	842	857	17,511
Personal Taxes	129	188	232	261	245	242	5,084
Corporate Taxes	365	472	557	612	597	615	12,427
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	831	1,135	1,366	1,520	1,493	1,548	30,605
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: North Carolina							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	131	185	232	266	274	295	5,366
Personal Taxes	104	150	190	218	224	241	4,379
Corporate Taxes	27	34	43	49	50	54	986
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	114	153	189	213	207	212	4,225
Personal Taxes	31	45	58	66	64	64	1,284
Corporate Taxes	84	108	131	146	144	148	2,941
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	245	337	421	479	481	508	9,591
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.
**2012-2035 represents the total for all years including those years not reported.
Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: North Dakota							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	11	15	20	24	26	29	482
Personal Taxes	8	12	16	19	20	23	380
Corporate Taxes	2	3	4	5	6	6	103
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	11	16	20	24	25	27	473
Personal Taxes	1	1	1	2	2	2	33
Corporate Taxes	11	15	19	22	23	25	440
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	22	31	40	48	50	56	956
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.
**2012-2035 represents the total for all years including those years not reported.
Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Ohio							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	282	489	919	1,392	1,958	2,419	28,709
Personal Taxes	233	398	720	1,070	1,490	1,838	22,120
Corporate Taxes	49	91	200	322	468	581	6,589
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	455	854	1,846	2,938	4,103	4,920	58,941
Personal Taxes	73	127	233	348	451	520	6,830
Corporate Taxes	380	707	1,514	2,389	3,317	3,941	47,551
Severance Taxes	1	8	38	78	131	187	1,794
Ad Valorem Taxes	1	11	59	120	196	263	2,667
State Royalty Payments	0	0	2	5	7	9	99
State Bonus Payments	-	-	-	-	-	-	-
Total Government Revenue	737	1,343	2,766	4,331	6,061	7,339	87,651
Lease Payments to Private Landowners	0	4	14	26	43	56	592

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.
**2012-2035 represents the total for all years including those years not reported.
Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Oklahoma							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	648	1,200	1,729	2,205	2,479	2,906	43,603
Personal Taxes	477	854	1,233	1,572	1,766	2,071	31,089
Corporate Taxes	168	343	492	629	708	831	12,414
Federal Royalty Payments	0	0	0	0	0	0	2
Federal Bonus Payments	3	4	4	4	4	4	98
State and Local Taxes	854	1,862	2,713	3,510	3,943	4,680	70,811
Personal Taxes	88	160	234	299	314	343	5,668
Corporate Taxes	518	1,060	1,488	1,862	2,004	2,252	36,173
Severance Taxes	179	492	769	1,058	1,286	1,665	22,732
Ad Valorem Taxes	43	112	177	243	293	375	5,197
State Royalty Payments	1	2	2	3	4	5	66
State Bonus Payments	25	37	43	45	42	40	975
Total Government Revenue	1,503	3,062	4,442	5,715	6,422	7,586	114,414
Lease Payments to Private Landowners	24	40	69	94	111	136	1,987

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.
**2012-2035 represents the total for all years including those years not reported.
Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Oregon							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	57	81	103	120	124	136	2,407
Personal Taxes	46	66	84	98	101	110	1,965
Corporate Taxes	11	15	19	22	23	26	442
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	82	110	138	159	158	167	3,156
Personal Taxes	18	26	34	39	38	39	758
Corporate Taxes	64	84	104	119	120	128	2,398
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	139	191	241	278	283	303	5,563
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.
**2012-2035 represents the total for all years including those years not reported.
Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Pennsylvania							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	1,386	2,064	2,728	3,484	4,362	5,381	74,207
Personal Taxes	1,027	1,538	2,026	2,574	3,208	3,945	54,738
Corporate Taxes	352	507	674	871	1,101	1,365	18,565
Federal Royalty Payments	7	19	28	40	54	70	904
Federal Bonus Payments	-	-	-	-	-	-	-
State and Local Taxes	1,050	1,554	2,041	2,595	3,113	3,681	54,037
Personal Taxes	250	380	508	647	752	864	13,148
Corporate Taxes	787	1,140	1,482	1,876	2,266	2,692	39,276
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	13	34	50	71	96	125	1,612
State Bonus Payments	-	-	-	-	-	-	-
Total Government Revenue	2,436	3,618	4,768	6,079	7,476	9,062	128,243
Lease Payments to Private Landowners	32	43	60	79	107	136	1,864

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.
**2012-2035 represents the total for all years including those years not reported.
Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Rhode Island							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	15	21	26	29	28	29	578
Personal Taxes	13	18	22	24	24	25	484
Corporate Taxes	3	3	4	5	5	5	93
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	13	17	21	22	21	21	448
Personal Taxes	3	5	6	7	6	6	127
Corporate Taxes	10	12	15	16	15	15	321
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	29	39	46	51	49	51	1,025
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: South Carolina							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	61	86	110	128	134	148	2,583
Personal Taxes	49	71	90	105	111	122	2,126
Corporate Taxes	12	15	19	22	24	26	457
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	68	90	111	126	126	133	2,529
Personal Taxes	9	13	17	20	19	20	380
Corporate Taxes	59	77	94	107	107	113	2,148
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	129	176	220	254	261	281	5,112
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: South Dakota							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	13	18	22	25	26	28	506
Personal Taxes	10	14	18	20	21	23	413
Corporate Taxes	3	3	4	5	5	5	93
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	11	15	17	19	19	20	393
Personal Taxes	0	0	0	0	0	0	0
Corporate Taxes	11	15	17	19	19	20	393
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	24	32	39	44	45	48	899
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Tennessee							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	91	128	161	187	194	214	3,775
Personal Taxes	74	107	135	156	162	178	3,146
Corporate Taxes	17	22	27	31	32	35	629
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	24	31	38	43	42	45	863
Personal Taxes	1	1	1	1	1	1	27
Corporate Taxes	24	30	37	41	41	43	837
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	115	160	200	229	237	258	4,638
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Texas							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	4,535	6,918	9,192	10,985	9,788	8,544	199,350
Personal Taxes	3,366	5,060	6,750	8,066	7,198	6,343	146,515
Corporate Taxes	1,139	1,814	2,384	2,850	2,531	2,158	51,531
Federal Royalty Payments	23	36	50	61	53	40	1,135
Federal Bonus Payments	7	8	8	8	6	4	169
State and Local Taxes	4,204	6,907	9,261	11,324	10,119	8,497	208,985
Personal Taxes	0	0	0	0	0	0	0
Corporate Taxes	2,422	3,877	4,981	5,831	4,948	4,041	104,728
Severance Taxes	1,329	2,284	3,213	4,142	3,915	3,388	78,658
Ad Valorem Taxes	415	686	982	1,243	1,157	986	23,566
State Royalty Payments	36	60	85	106	98	81	2,012
State Bonus Payments	1	1	1	1	1	1	22
Total Government Revenue	8,739	13,824	18,453	22,309	19,907	17,041	408,336
Lease Payments to Private Landowners	98	151	248	319	265	213	5,643

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Utah							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	1,230	1,696	1,450	893	572	589	24,830
Personal Taxes	473	749	592	352	261	321	10,313
Corporate Taxes	145	293	233	139	93	109	3,904
Federal Royalty Payments	611	653	624	401	217	159	10,606
Federal Bonus Payments	1	1	0	0	0	0	8
State and Local Taxes	1,042	1,579	1,322	807	508	560	22,570
Personal Taxes	133	214	172	103	71	81	2,921
Corporate Taxes	392	798	621	363	233	260	10,286
Severance Taxes	307	342	321	210	128	146	5,725
Ad Valorem Taxes	107	117	111	72	43	47	1,952
State Royalty Payments	87	95	90	58	32	24	1,535
State Bonus Payments	17	14	7	2	2	2	151
Total Government Revenue	2,273	3,275	2,772	1,700	1,080	1,149	47,400
Lease Payments to Private Landowners	27	28	18	2	3	10	310

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Vermont							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	10	14	17	19	19	20	387
Personal Taxes	8	12	15	16	16	17	326
Corporate Taxes	2	2	3	3	3	3	61
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	6	8	10	11	11	11	222
Personal Taxes	2	3	3	4	3	3	71
Corporate Taxes	5	6	7	7	7	7	151
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	16	22	27	30	30	31	608
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Virginia							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	135	192	244	284	306	346	5,815
Personal Taxes	108	156	200	234	252	284	4,767
Corporate Taxes	27	35	44	51	55	62	1,048
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	96	132	164	188	192	206	3,784
Personal Taxes	34	50	66	77	77	81	1,507
Corporate Taxes	62	81	98	111	115	124	2,277
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	231	323	407	472	498	551	9,600
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Washington							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	87	124	157	182	189	206	3,667
Personal Taxes	71	103	130	151	156	170	3,030
Corporate Taxes	17	21	27	31	33	36	637
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	22	28	35	40	40	42	792
Personal Taxes	0	0	0	0	0	0	0
Corporate Taxes	22	28	35	40	40	42	792
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	109	152	192	222	229	248	4,460
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.
**2012-2035 represents the total for all years including those years not reported.
Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: West Virginia							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	167	351	491	658	868	1,100	14,088
Personal Taxes	116	234	323	428	562	710	9,124
Corporate Taxes	42	94	131	175	230	290	3,711
Federal Royalty Payments	9	24	38	55	76	100	1,253
Federal Bonus Payments	-	-	-	-	-	-	-
State and Local Taxes	251	580	828	1,128	1,470	1,859	24,275
Personal Taxes	21	44	61	81	100	118	1,653
Corporate Taxes	161	357	487	640	804	972	13,288
Severance Taxes	52	138	215	314	436	593	7,189
Ad Valorem Taxes	16	41	64	93	129	175	2,126
State Royalty Payments	0	0	1	1	1	2	20
State Bonus Payments	-	-	-	-	-	-	-
Total Government Revenue	418	932	1,319	1,787	2,338	2,959	38,363
Lease Payments to Private Landowners	9	13	20	30	49	76	782

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.
**2012-2035 represents the total for all years including those years not reported.
Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Wisconsin							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	108	152	192	224	236	262	4,540
Personal Taxes	87	125	159	186	196	217	3,756
Corporate Taxes	20	27	33	38	40	45	784
Federal Royalty Payments	0	0	0	0	0	0	0
Federal Bonus Payments	0	0	0	0	0	0	0
State and Local Taxes	143	192	236	269	269	284	5,390
Personal Taxes	25	36	46	55	54	56	1,061
Corporate Taxes	118	156	190	214	215	228	4,329
Severance Taxes	0	0	0	0	0	0	0
Ad Valorem Taxes	0	0	0	0	0	0	0
State Royalty Payments	0	0	0	0	0	0	0
State Bonus Payments	0	0	0	0	0	0	0
Total Government Revenue	251	344	428	493	505	545	9,930
Lease Payments to Private Landowners	0	0	0	0	0	0	0

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight

Contribution of Unconventional Gas to Government Revenue and Private Lease Payments: Wyoming							
(2012 \$M)							
	2012	2015	2020	2025	2030	2035	2012-2035**
Federal Taxes	588	955	902	500	394	439	14,784
Personal Taxes	233	372	332	188	171	219	5,705
Corporate Taxes	103	173	159	92	79	96	2,667
Federal Royalty Payments	233	391	403	216	140	119	6,200
Federal Bonus Payments	19	18	9	3	4	5	210
State and Local Taxes	596	1,002	1,011	609	497	596	17,277
Personal Taxes	0	0	0	0	0	0	0
Corporate Taxes	194	326	293	166	136	159	4,854
Severance Taxes	195	329	350	215	174	209	6,029
Ad Valorem Taxes	201	340	362	222	180	216	6,230
State Royalty Payments	2	2	4	4	6	10	112
State Bonus Payments	5	5	2	1	1	1	52
Total Government Revenue	1,184	1,957	1,913	1,109	892	1,035	32,061
Lease Payments to Private Landowners	12	14	9	2	5	12	192

NOTES: *Unconventional gas activity represents the production of gas and liquids recovered from shale gas and tight gas plays.

**2012-2035 represents the total for all years including those years not reported.

Source: IHS Global Insight