

The Impacts of U.S. Crude Oil Exports on Domestic Crude Production, GDP, Employment, Trade, and Consumer Costs

Supplement: State-Level Economic and
Employment Impacts

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1 State-level Employment and Economic Impacts

The following section includes estimates of state-level employment and economic impacts attributable to crude exports based on the study conducted by ICF International (in cooperation with EnSys Energy) and described in the ICF report dated March 31, 2014.¹ Similar to national-level impacts, ICF assessed the following key categories for state-level impacts:

- Changes in hydrocarbon production, including crude oil, lease condensate, natural gas, and natural gas liquids (NGLs)
- Changes in refinery throughput and feedstock costs
- Changes in import-export port services
- Changes in transportation sector, including changes in production flows by rail and pipeline
- Changes in petroleum product consumer costs due to changes in fuel costs, such as gasoline, diesel, and heating oil

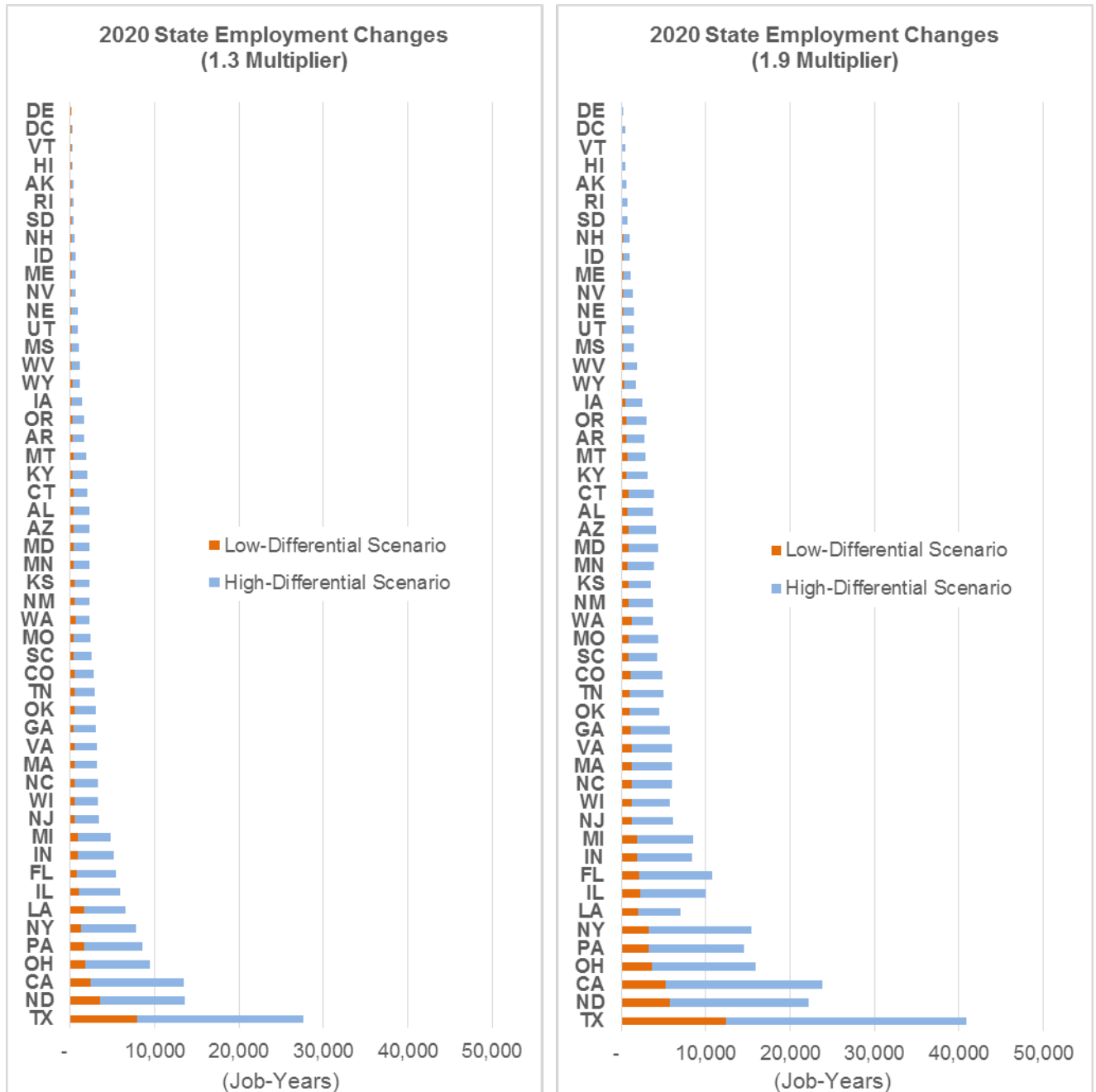
In order to assess these categories, ICF applied a number of proxy state-level allocators, including crude oil production by state, refinery locations and capacity, industrial manufacturing (for drill pipe, oil and gas extraction equipment, etc.), marine ports (where oil exports would depart from U.S. waters), rail and pipeline crude oil flows in and around the U.S., state income levels, and petroleum product consumption. These factors were used to distribute the GDP impacts across states. However, there is a great deal of uncertainty as to how employment and GDP impacts are distributed across states. The following sections discuss ICF's state-level findings on employment and economic impacts.

1.1 State-level Employment Impacts

Oil producers such as Texas and North Dakota could see employment gains up to nearly 41,000 and 22,200 jobs in 2020, respectively, due to crude exports, while non-producers such as California, a large manufacturing center, could gain up to 23,800. Other manufacturing-intensive states such as Ohio, Pennsylvania, and New York could see job gains up to 14,500-16,000 jobs in 2020. The exhibit below shows state employment changes in 2020 for each scenario.

¹ Available at: <http://www.api.org/~media/Files/Policy/LNG-Exports/LNG-primer/API-Crude-Exports-Study-by-ICF-3-31-2014.pdf>

Exhibit 1-1: 2020 State Employment Due to Crude Oil Exports Changes Chart



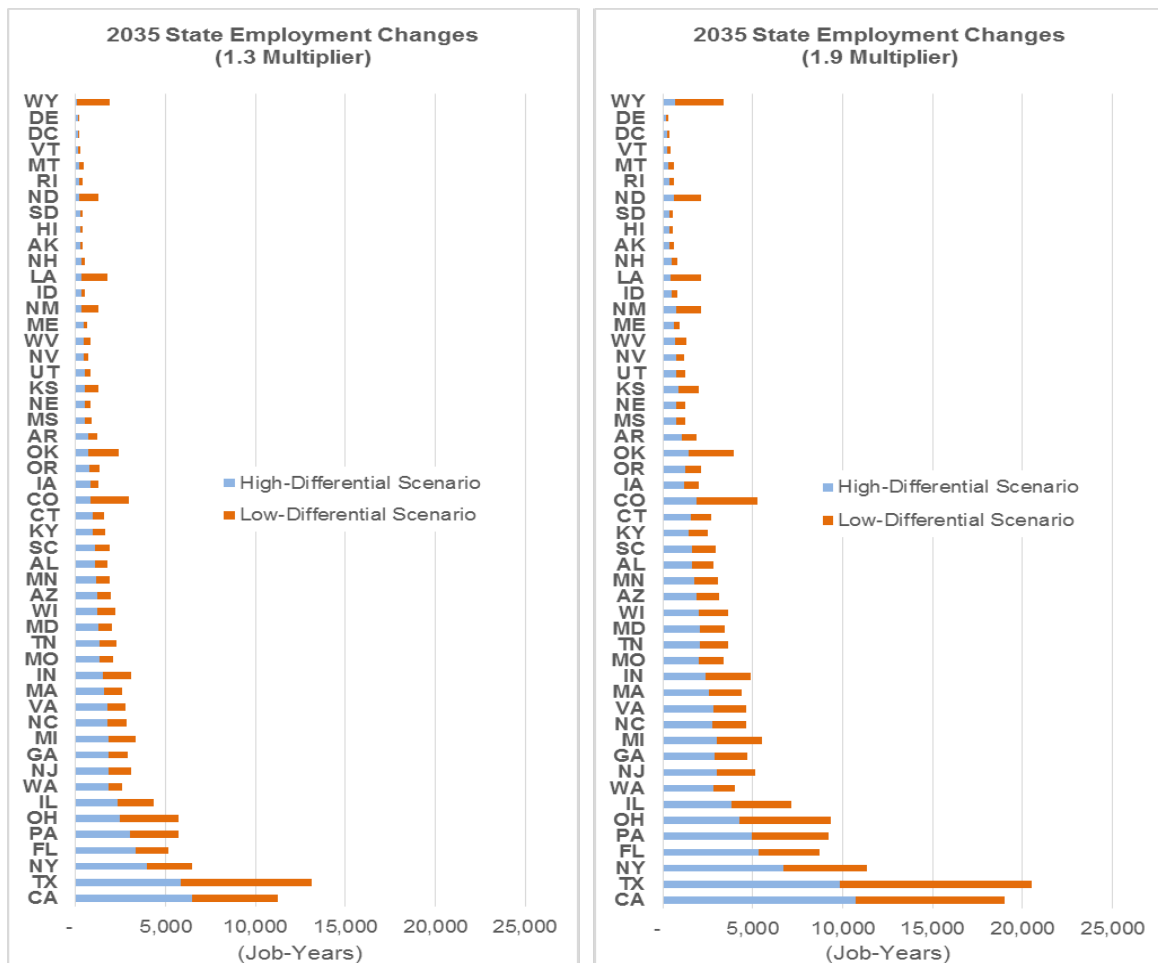
Source: ICF analysis

Note 1: States ranked by 2020 High-Differential Scenario 1.3 multiplier values.

Note 2: A job-year represents a single job occurring over 12 months or equivalent amounts of employment, such as two jobs occurring for six months each.

In 2035, employment changes in Texas are expected to reach up to 20,500 annual jobs, while California and New York, which see job gains in manufacturing and consumer spending, are expected to see job gains up to 19,000 and 11,300, respectively. Other oil-producers such as Ohio and Pennsylvania see job gains exceeding 9,000. North Dakota is expected to see job gains of up to 2,200 in 2035. The study found that when exports are allowed, the U.S. can sustain growing levels of tight oil drilling through about 2025, after which the most productive portions of some plays are fully developed and drilling levels decline. Thus, economic and employment impacts (which are a function of drilling activity) are higher in 2020, when drilling levels are nearing their peak, than in 2035. By 2035, the Low-Differential Scenario employment changes are larger than those in the High-Differential Scenario. As mentioned in the national-level results, the employment trajectories are reflected in the drilling rates, which are driven by WTI-Brent price differentials. Whereas drilling rates ramp up more quickly in the High-Differential Scenario, drilling ramps up more slowly in the Low-Differential Scenario, and ramps down at a slower pace, leading to slightly higher Low-Differential Scenario employment and economic impacts in the later years.

Exhibit 1-2: 2035 State Employment Due to Crude Oil Exports Changes Chart



Source: ICF analysis

Note 1: States ranked by 2020 High-Differential Scenario 1.3 multiplier values.

Note 2: A job-year represents a single job occurring over 12 months or equivalent amounts of employment, such as two jobs occurring for six months each.

The summary table below shows total employment changes due to crude exports by state and scenario for each multiplier in 2020 and 2035.

Exhibit 1-3: State Employment Changes Due to Crude Oil Exports Summary Table

State	High-Differential Scenario				Low-Differential Scenario			
	State Employment Changes (Job-Years)				State Employment Changes (Job-Years)			
	(1.3 Multiplier)		(1.9 Multiplier)		(1.3 Multiplier)		(1.9 Multiplier)	
	2020	2035	2020	2035	2020	2035	2020	2035
TX	27,567	5,824	40,921	9,827	7,927	13,135	12,404	20,481
ND	13,597	227	22,215	611	3,505	1,266	5,688	2,149
CA	13,408	6,441	23,787	10,725	2,399	11,253	5,229	18,988
OH	9,440	2,467	15,948	4,246	1,802	5,714	3,568	9,364
PA	8,518	3,037	14,534	4,925	1,608	5,704	3,270	9,231
NY	7,798	3,979	15,350	6,691	1,308	6,498	3,302	11,332
LA	6,484	324	7,039	431	1,680	1,766	2,034	2,133
IL	5,953	2,317	10,033	3,798	1,050	4,324	2,192	7,119
FL	5,449	3,303	10,736	5,341	782	5,157	2,102	8,739
IN	5,124	1,497	8,364	2,379	937	3,093	1,832	4,856
MI	4,822	1,842	8,520	2,979	834	3,353	1,831	5,490
NJ	3,421	1,847	6,184	2,998	542	3,064	1,283	5,130
WI	3,229	1,217	5,754	1,971	564	2,220	1,233	3,639
NC	3,220	1,765	5,959	2,780	472	2,847	1,183	4,650
MA	3,139	1,578	5,952	2,570	495	2,608	1,229	4,395
VA	3,129	1,735	5,960	2,781	477	2,778	1,202	4,635
GA	3,061	1,844	5,688	2,869	436	2,889	1,095	4,681
OK	2,984	717	4,481	1,417	580	2,417	1,001	3,946
TN	2,918	1,306	5,027	2,036	473	2,268	1,029	3,611
CO	2,750	817	4,898	1,889	531	2,948	1,087	5,228
SC	2,511	1,062	4,304	1,633	392	1,869	881	2,925
MO	2,400	1,310	4,353	2,022	355	2,110	850	3,374
WA	2,309	1,852	3,698	2,836	665	2,580	1,194	4,024
NM	2,285	336	3,714	738	517	1,244	881	2,114
KS	2,283	515	3,545	888	482	1,232	823	1,978
MN	2,279	1,110	3,812	1,740	358	1,917	782	3,066
MD	2,247	1,248	4,401	2,044	352	1,994	905	3,408
AZ	2,230	1,188	4,111	1,868	339	1,927	822	3,139
AL	2,213	1,062	3,751	1,615	352	1,789	760	2,785
CT	2,050	946	3,850	1,549	338	1,604	809	2,704
KY	1,967	952	3,151	1,418	297	1,635	613	2,484
MT	1,852	193	2,858	298	444	426	704	632
AR	1,618	689	2,709	1,043	265	1,205	544	1,860

State	High-Differential Scenario				Low-Differential Scenario			
	State Employment Changes (Job-Years)				State Employment Changes (Job-Years)			
	(1.3 Multiplier)		(1.9 Multiplier)		(1.3 Multiplier)		(1.9 Multiplier)	
	2020	2035	2020	2035	2020	2035	2020	2035
OR	1,617	783	2,937	1,234	251	1,309	593	2,125
IA	1,405	799	2,476	1,200	196	1,273	466	1,979
WY	1,148	68	1,686	673	241	1,912	383	3,397
WV	1,111	431	1,897	677	186	814	392	1,284
MS	1,069	519	1,458	744	171	875	281	1,269
UT	903	483	1,443	729	136	799	281	1,235
NE	851	516	1,496	767	114	807	273	1,245
NV	705	468	1,378	741	99	713	266	1,187
ME	642	420	1,096	618	89	636	208	961
ID	587	335	1,039	505	82	533	196	832
NH	561	318	1,037	497	81	508	202	824
SD	436	231	757	343	65	361	145	555
RI	423	224	790	358	62	366	157	605
AK	344	276	584	391	33	403	87	592
HI	306	234	465	362	47	365	96	581
VT	296	162	526	247	42	262	101	411
DC	207	123	477	225	37	191	107	373
DE	200	111	200	169	30	211	41	319
U.S. Total	177,067	63,047	297,350	103,436	35,520	119,172	68,638	194,066

Source: ICF analysis

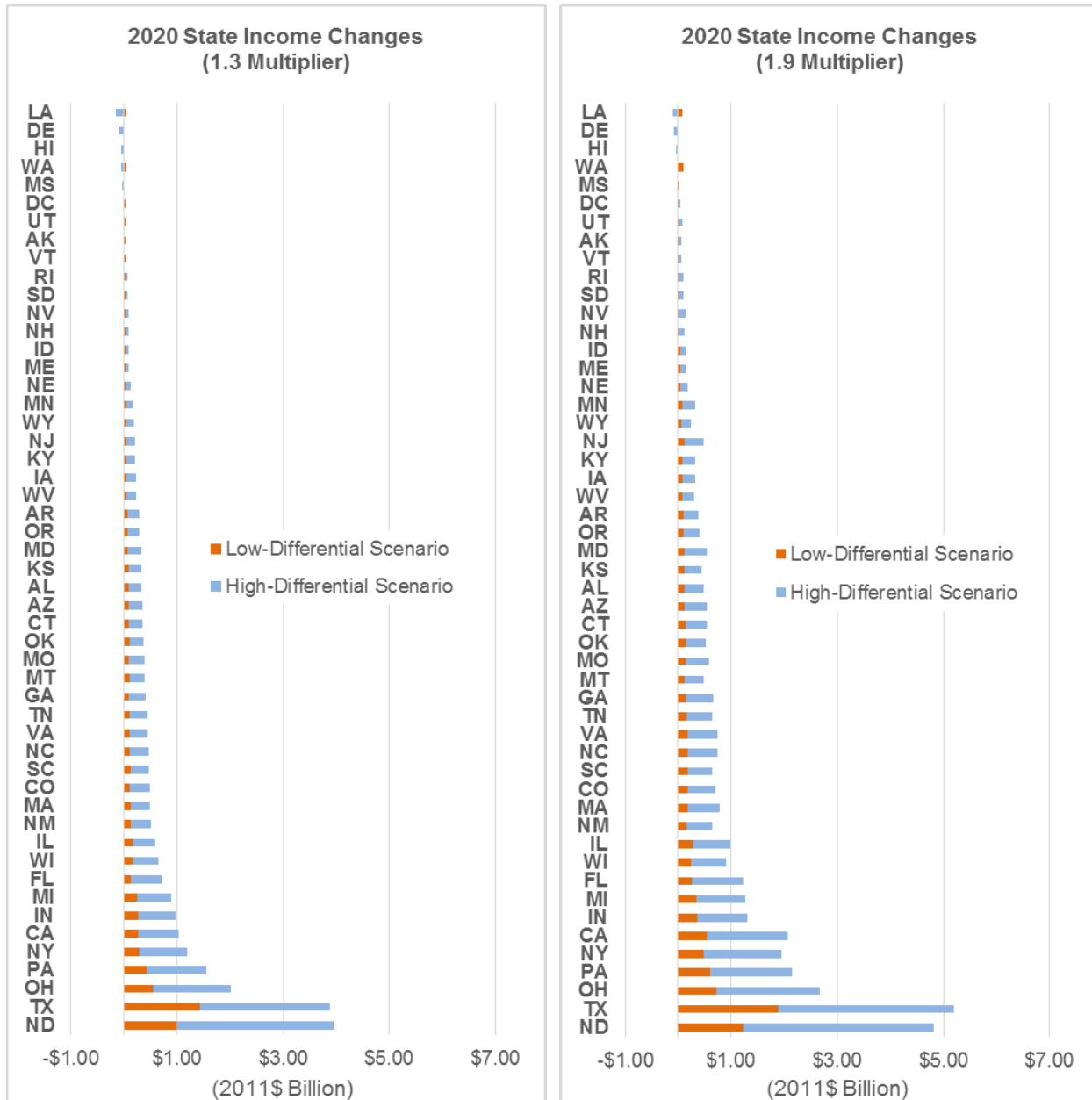
* Ranked by 2020 High-Differential Scenario 1.3 multiplier.

Note: A job-year represents a single job occurring over 12 months or equivalent amounts of employment, such as two jobs occurring for six months each.

1.2 State-level Income Impacts

Oil-producing states such as North Dakota and Texas are expected to see economic gains up to \$4.8 and \$5.2 billion in 2020, respectively, while other producing states with manufacturing-intensive industries also benefit, including Ohio and Pennsylvania, which see up to \$2.2-\$2.7 billion in GDP gains in 2020. In addition, large manufacturing and consumer spending states such as California and New York also see large benefits, up to \$2.0 billion in each state in 2020. The exhibit below shows state income changes by scenario in 2020.

Exhibit 1-4: 2020 State Income Changes Due to Crude Oil Exports Chart

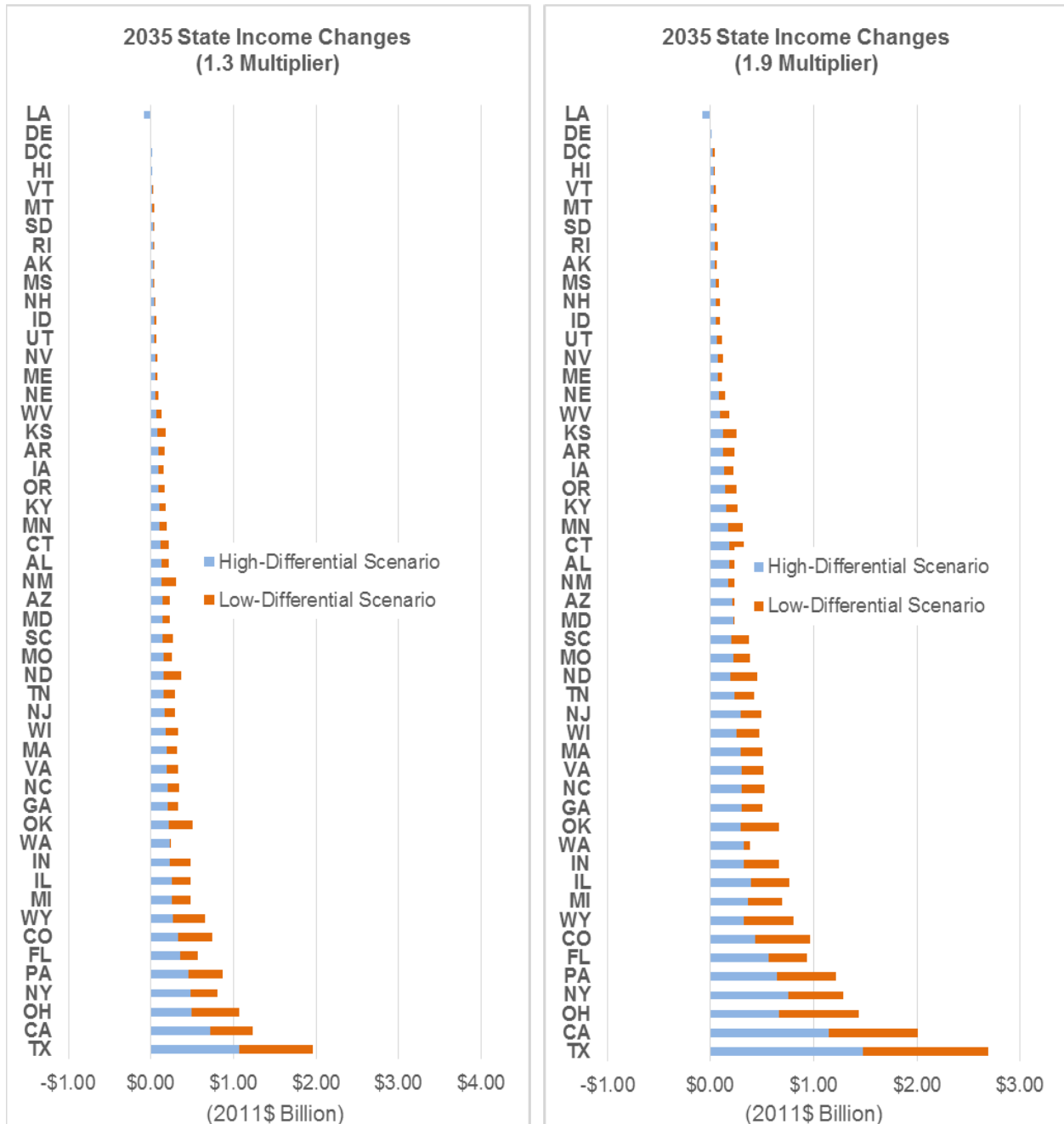


Source: ICF analysis

Note: States ranked by 2020 High-Differential Scenario 1.3 multiplier values.

By 2035, oil-producing states such as Texas, Ohio, and Pennsylvania see income changes up to \$1.2-\$2.7 billion annually, while North Dakota sees gains up to \$460 million that year. Manufacturing and consumer product hubs such as California and New York see gains up to \$1.2-\$2.0 billion.

Exhibit 1-5: 2035 State Income Changes Due to Crude Oil Exports Chart



Source: ICF analysis

Note: States ranked by 2035 High-Differential Scenario 1.3 multiplier values.

The summary table below shows total employment changes due to crude exports by state and scenario for each multiplier in 2020 and 2035.

Exhibit 1-6: State Income Changes Due to Crude Oil Exports Summary Table

State	High-Differential Scenario				Low-Differential Scenario			
	State Income Changes (2011\$ Billion)		State Income Changes (2011\$ Billion)		State Income Changes (2011\$ Billion)		State Income Changes (2011\$ Billion)	
	(1.3 Multiplier)	(1.9 Multiplier)	(1.3 Multiplier)	(1.9 Multiplier)	(1.3 Multiplier)	(1.9 Multiplier)	(1.3 Multiplier)	(1.9 Multiplier)
	2020	2035	2020	2035	2020	2035	2020	2035
ND	\$3.95	\$0.16	\$4.81	\$0.19	\$1.00	\$0.37	\$1.22	\$0.46
TX	\$3.87	\$1.08	\$5.21	\$1.48	\$1.44	\$1.96	\$1.89	\$2.69
OH	\$2.02	\$0.49	\$2.68	\$0.67	\$0.54	\$1.07	\$0.72	\$1.44
PA	\$1.55	\$0.46	\$2.15	\$0.65	\$0.43	\$0.86	\$0.60	\$1.22
NY	\$1.20	\$0.48	\$1.95	\$0.76	\$0.29	\$0.81	\$0.49	\$1.29
CA	\$1.02	\$0.72	\$2.06	\$1.14	\$0.27	\$1.23	\$0.55	\$2.00
IN	\$0.97	\$0.23	\$1.30	\$0.32	\$0.27	\$0.49	\$0.36	\$0.66
MI	\$0.90	\$0.25	\$1.27	\$0.37	\$0.24	\$0.48	\$0.34	\$0.70
FL	\$0.70	\$0.36	\$1.23	\$0.56	\$0.13	\$0.57	\$0.26	\$0.93
WI	\$0.65	\$0.17	\$0.90	\$0.25	\$0.17	\$0.33	\$0.23	\$0.48
IL	\$0.59	\$0.25	\$0.99	\$0.40	\$0.17	\$0.48	\$0.28	\$0.76
NM	\$0.50	\$0.13	\$0.64	\$0.17	\$0.12	\$0.30	\$0.16	\$0.39
MA	\$0.49	\$0.19	\$0.77	\$0.29	\$0.12	\$0.32	\$0.19	\$0.50
CO	\$0.48	\$0.33	\$0.70	\$0.43	\$0.12	\$0.74	\$0.17	\$0.97
SC	\$0.47	\$0.14	\$0.65	\$0.20	\$0.13	\$0.27	\$0.18	\$0.37
NC	\$0.47	\$0.20	\$0.74	\$0.30	\$0.11	\$0.34	\$0.18	\$0.52
VA	\$0.46	\$0.20	\$0.74	\$0.30	\$0.10	\$0.33	\$0.17	\$0.51
TN	\$0.44	\$0.16	\$0.65	\$0.23	\$0.11	\$0.29	\$0.17	\$0.42
GA	\$0.41	\$0.20	\$0.67	\$0.31	\$0.08	\$0.33	\$0.15	\$0.51
MT	\$0.39	\$0.02	\$0.49	\$0.03	\$0.10	\$0.04	\$0.12	\$0.06
MO	\$0.38	\$0.15	\$0.57	\$0.22	\$0.08	\$0.26	\$0.13	\$0.38
OK	\$0.37	\$0.22	\$0.52	\$0.29	\$0.11	\$0.51	\$0.15	\$0.66
CT	\$0.36	\$0.12	\$0.54	\$0.18	\$0.09	\$0.21	\$0.13	\$0.32
AZ	\$0.35	\$0.14	\$0.54	\$0.21	\$0.08	\$0.24	\$0.13	\$0.36
AL	\$0.32	\$0.13	\$0.48	\$0.18	\$0.08	\$0.22	\$0.12	\$0.32
KS	\$0.32	\$0.08	\$0.45	\$0.12	\$0.09	\$0.18	\$0.12	\$0.26
MD	\$0.32	\$0.14	\$0.53	\$0.22	\$0.07	\$0.23	\$0.12	\$0.37
OR	\$0.28	\$0.10	\$0.41	\$0.14	\$0.07	\$0.17	\$0.10	\$0.25
AR	\$0.28	\$0.09	\$0.39	\$0.12	\$0.07	\$0.16	\$0.09	\$0.23
WV	\$0.22	\$0.07	\$0.30	\$0.09	\$0.06	\$0.13	\$0.08	\$0.18
IA	\$0.22	\$0.09	\$0.32	\$0.13	\$0.05	\$0.15	\$0.07	\$0.22
KY	\$0.21	\$0.10	\$0.33	\$0.15	\$0.05	\$0.18	\$0.08	\$0.27
NJ	\$0.21	\$0.17	\$0.48	\$0.29	\$0.05	\$0.29	\$0.12	\$0.50
WY	\$0.19	\$0.26	\$0.24	\$0.32	\$0.05	\$0.65	\$0.06	\$0.80
MN	\$0.16	\$0.11	\$0.32	\$0.17	\$0.05	\$0.19	\$0.09	\$0.31
NE	\$0.12	\$0.06	\$0.19	\$0.08	\$0.03	\$0.09	\$0.04	\$0.14
ME	\$0.09	\$0.05	\$0.14	\$0.07	\$0.02	\$0.08	\$0.03	\$0.11
ID	\$0.09	\$0.04	\$0.14	\$0.06	\$0.02	\$0.06	\$0.03	\$0.09
NH	\$0.08	\$0.04	\$0.13	\$0.05	\$0.02	\$0.06	\$0.03	\$0.09
NV	\$0.08	\$0.05	\$0.15	\$0.08	\$0.01	\$0.07	\$0.03	\$0.12

State	High-Differential Scenario				Low-Differential Scenario			
	State Income Changes (2011\$ Billion) (1.3 Multiplier)		State Income Changes (2011\$ Billion) (1.9 Multiplier)		State Income Changes (2011\$ Billion) (1.3 Multiplier)		State Income Changes (2011\$ Billion) (1.9 Multiplier)	
	2020	2035	2020	2035	2020	2035	2020	2035
SD	\$0.07	\$0.03	\$0.10	\$0.04	\$0.02	\$0.04	\$0.02	\$0.06
RI	\$0.06	\$0.03	\$0.10	\$0.04	\$0.01	\$0.04	\$0.02	\$0.07
VT	\$0.05	\$0.02	\$0.07	\$0.03	\$0.01	\$0.03	\$0.02	\$0.05
AK	\$0.04	\$0.03	\$0.06	\$0.04	\$0.00	\$0.04	\$0.01	\$0.06
UT	\$0.03	\$0.04	\$0.09	\$0.07	\$0.01	\$0.07	\$0.02	\$0.11
DC	\$0.02	\$0.01	\$0.05	\$0.02	\$0.00	\$0.02	\$0.01	\$0.04
MS	-\$0.04	\$0.03	\$0.00	\$0.05	-\$0.01	\$0.04	\$0.00	\$0.08
WA	-\$0.04	\$0.23	\$0.10	\$0.33	\$0.06	\$0.24	\$0.11	\$0.39
HI	-\$0.06	\$0.01	-\$0.05	\$0.03	-\$0.01	\$0.02	-\$0.01	\$0.04
DE	-\$0.09	\$0.00	-\$0.09	\$0.00	-\$0.02	\$0.00	-\$0.02	\$0.01
LA	-\$0.15	-\$0.09	-\$0.10	-\$0.08	\$0.05	-\$0.09	\$0.09	-\$0.05
U.S. Total	\$26.06	\$8.75	\$38.09	\$12.79	\$7.18	\$16.23	\$10.49	\$23.72

Source: ICF analysis

* Ranked by 2020 High-Differential Scenario 1.3 multiplier.

1.3 State-level Impact Tables

The tables below include state-level employment and income changes attributable to crude exports for each state, as well as the U.S. total.

U.S. Total High-Differential Scenario							U.S. Total Low-Differential Scenario					
U.S. Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$26.27	\$32.15	\$30.69	\$26.80	\$15.30	\$3.78	\$2.30	\$7.37	\$7.97	\$17.35	\$13.13	\$9.72
U.S. Refinery GDP Changes	(\$23.49)	(\$23.91)	(\$15.94)	(\$14.10)	(\$8.41)	(\$2.61)	(\$5.72)	(\$8.02)	(\$3.32)	(\$11.45)	(\$7.78)	(\$4.36)
U.S. Import-Export Port Service GDP Changes	\$0.81	\$0.87	\$0.94	\$1.00	\$1.13	\$1.16	\$0.74	\$0.83	\$0.91	\$0.92	\$0.97	\$0.93
U.S. Transportation Sector GDP Changes	(\$0.32)	(\$0.18)	(\$0.02)	\$0.44	\$0.14	\$0.04	(\$0.37)	(\$0.29)	(\$0.16)	\$0.35	\$0.13	\$0.07
U.S. Petroleum Product Consumer Gains GDP Changes	\$7.06	\$8.18	\$4.38	\$4.16	\$3.79	\$4.36	\$4.66	\$4.41	\$0.12	\$1.01	\$3.11	\$6.12
Direct and Indirect U.S. Income Changes	\$10.32	\$17.10	\$20.05	\$18.29	\$11.96	\$6.73	\$1.61	\$4.31	\$5.52	\$8.19	\$9.56	\$12.48
Multiplier Effect at 1.3	\$3.10	\$5.13	\$6.01	\$5.49	\$3.59	\$2.02	\$0.48	\$1.29	\$1.66	\$2.46	\$2.87	\$3.74
U.S. Income Changes (Multiplier Effect = 1.3)	\$13.41	\$22.23	\$26.06	\$23.78	\$15.55	\$8.75	\$2.09	\$5.60	\$7.18	\$10.64	\$12.43	\$16.23
Multiplier Effect at 1.9	\$9.29	\$15.39	\$18.04	\$16.46	\$10.76	\$6.06	\$1.45	\$3.88	\$4.97	\$7.37	\$8.60	\$11.23
U.S. Income Changes (Multiplier Effect = 1.9)	\$19.60	\$32.49	\$38.09	\$34.76	\$22.72	\$12.79	\$3.06	\$8.19	\$10.49	\$15.55	\$18.16	\$23.72
U.S. Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	30,182	51,181	65,422	58,636	29,652	1,230	2,509	7,729	13,813	22,715	22,033	19,938
U.S. Refinery Employment Changes	1,774	(2,805)	(5,125)	(7,543)	(3,674)	445	1,774	(2,805)	(5,125)	(7,543)	(3,674)	445
U.S. Import-Export Port Services Employment Changes	2,907	3,190	2,850	2,914	3,761	4,771	3,197	3,645	3,391	3,290	3,841	4,575
U.S. Transportation Sector Employment Changes	9,065	5,749	10,023	3,652	571	(7,171)	1,635	375	5,649	2,450	2,236	(4,431)
U.S. Petroleum Product Consumer Gains Employment Change	70,593	81,769	43,755	41,619	37,950	43,578	46,565	44,063	1,232	10,083	31,118	61,199
Direct and Indirect Employment Changes	114,521	139,085	116,926	99,278	68,260	42,853	55,680	53,008	18,960	30,995	55,553	81,725
Multiplier Effect at 1.3	30,954	51,298	60,141	54,879	35,876	20,195	4,824	12,926	16,559	24,555	28,676	37,447
U.S. Employment Changes (Multiplier Effect = 1.3)	145,475	190,383	177,067	154,158	104,136	63,047	60,504	65,934	35,520	55,550	84,229	119,172
Multiplier Effect at 1.9	92,862	153,895	180,423	164,638	107,628	60,584	14,473	38,777	49,678	73,666	86,028	112,341
U.S. Employment Changes (Multiplier Effect = 1.9)	207,383	292,979	297,350	263,916	175,887	103,436	70,153	91,785	68,638	104,661	141,581	194,066

Note: A job-year represents a single job occurring over 12 months or equivalent amounts of employment, such as two jobs occurring for six months each.

State: Alabama High-Differential Scenario							Alabama Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.30	\$0.36	\$0.33	\$0.29	\$0.16	\$0.04	\$0.03	\$0.08	\$0.09	\$0.19	\$0.14	\$0.10
U.S. Refinery GDP Changes	(\$0.25)	(\$0.25)	(\$0.17)	(\$0.15)	(\$0.09)	(\$0.03)	(\$0.06)	(\$0.09)	(\$0.04)	(\$0.12)	(\$0.08)	(\$0.05)
U.S. Import-Export Port Service GDP Changes	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
U.S. Transportation Sector GDP Changes	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.12	\$0.14	\$0.07	\$0.07	\$0.06	\$0.07	\$0.08	\$0.08	\$0.00	\$0.02	\$0.05	\$0.10
Direct and Indirect State Income Changes	\$0.18	\$0.25	\$0.25	\$0.22	\$0.15	\$0.10	\$0.05	\$0.08	\$0.06	\$0.09	\$0.12	\$0.17
Multiplier Effect at 1.3	\$0.05	\$0.07	\$0.08	\$0.07	\$0.05	\$0.03	\$0.01	\$0.02	\$0.02	\$0.03	\$0.04	\$0.05
State Income Changes (Multiplier Effect = 1.3)	\$0.22	\$0.32	\$0.32	\$0.29	\$0.19	\$0.13	\$0.06	\$0.10	\$0.08	\$0.12	\$0.16	\$0.22
Multiplier Effect at 1.9	\$0.14	\$0.21	\$0.23	\$0.21	\$0.14	\$0.08	\$0.03	\$0.06	\$0.06	\$0.09	\$0.11	\$0.15
State Income Changes (Multiplier Effect = 1.9)	\$0.31	\$0.46	\$0.48	\$0.43	\$0.29	\$0.18	\$0.08	\$0.14	\$0.12	\$0.18	\$0.23	\$0.32
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	343	565	708	634	315	13	29	85	150	246	234	210
U.S. Refinery Employment Changes	28	(44)	(81)	(119)	(58)	7	28	(44)	(81)	(119)	(58)	7
U.S. Import-Export Port Services Employment Changes	34	34	29	24	34	47	37	39	35	28	35	45
U.S. Transportation Sector Employment Changes	42	25	40	15	2	(26)	8	2	23	10	8	(16)
U.S. Petroleum Product Consumer Gains Employment Change	1,205	1,396	747	711	648	744	795	752	21	172	531	1,045
Direct and Indirect Employment Changes	1,652	1,976	1,444	1,266	942	785	896	835	147	337	751	1,291
Multiplier Effect at 1.3	456	702	769	697	460	276	100	196	204	304	368	498
State Employment Changes (Multiplier Effect = 1.3)	2,108	2,678	2,213	1,962	1,402	1,062	996	1,031	352	640	1,119	1,789
Multiplier Effect at 1.9	1,367	2,105	2,307	2,090	1,381	829	299	589	613	911	1,105	1,495
State Employment Changes (Multiplier Effect = 1.9)	3,019	4,081	3,751	3,356	2,323	1,615	1,196	1,424	760	1,248	1,856	2,785

State: Alaska High-Differential Scenario							Alaska Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Refinery GDP Changes	(\$0.00)	(\$0.00)	(\$0.00)	(\$0.00)	(\$0.00)	(\$0.00)	(\$0.00)	(\$0.00)	(\$0.00)	(\$0.00)	(\$0.00)	(\$0.00)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Transportation Sector GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.04	\$0.04	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.00	\$0.01	\$0.02	\$0.03
Direct and Indirect State Income Changes	\$0.04	\$0.04	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.00	\$0.01	\$0.02	\$0.03
Multiplier Effect at 1.3	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.01	\$0.01
State Income Changes (Multiplier Effect = 1.3)	\$0.05	\$0.06	\$0.04	\$0.03	\$0.03	\$0.03	\$0.03	\$0.03	\$0.00	\$0.01	\$0.02	\$0.04
Multiplier Effect at 1.9	\$0.03	\$0.04	\$0.04	\$0.03	\$0.02	\$0.02	\$0.01	\$0.01	\$0.01	\$0.01	\$0.02	\$0.03
State Income Changes (Multiplier Effect = 1.9)	\$0.06	\$0.08	\$0.06	\$0.06	\$0.04	\$0.04	\$0.03	\$0.04	\$0.01	\$0.02	\$0.04	\$0.06
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	2	4	5	4	2	0	0	1	1	2	2	1
U.S. Refinery Employment Changes	0	(0)	(0)	(1)	(0)	0	0	(0)	(0)	(1)	(0)	0
U.S. Import-Export Port Services Employment Changes	0	0	0	0	0	0	0	0	0	0	0	0
U.S. Transportation Sector Employment Changes	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Petroleum Product Consumer Gains Employment Change	354	410	219	209	190	219	234	221	6	51	156	307
Direct and Indirect Employment Changes	356	414	224	212	192	219	234	221	7	52	157	309
Multiplier Effect at 1.3	91	129	120	110	79	57	35	47	27	45	63	95
State Employment Changes (Multiplier Effect = 1.3)	447	543	344	323	271	276	269	268	33	96	221	403
Multiplier Effect at 1.9	273	388	360	331	236	172	106	140	80	134	190	284
State Employment Changes (Multiplier Effect = 1.9)	629	801	584	544	428	391	340	361	87	185	347	592

State: Arizona High-Differential Scenario							Arizona Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.21	\$0.26	\$0.24	\$0.21	\$0.12	\$0.03	\$0.02	\$0.06	\$0.06	\$0.14	\$0.10	\$0.08
U.S. Refinery GDP Changes	(\$0.11)	(\$0.11)	(\$0.08)	(\$0.07)	(\$0.04)	(\$0.01)	(\$0.03)	(\$0.04)	(\$0.02)	(\$0.06)	(\$0.04)	(\$0.02)
U.S. Import-Export Port Service GDP Changes	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
U.S. Transportation Sector GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.13	\$0.15	\$0.08	\$0.08	\$0.07	\$0.08	\$0.09	\$0.08	\$0.00	\$0.02	\$0.06	\$0.11
Direct and Indirect State Income Changes	\$0.23	\$0.30	\$0.25	\$0.23	\$0.16	\$0.11	\$0.08	\$0.11	\$0.06	\$0.11	\$0.13	\$0.18
Multiplier Effect at 1.3	\$0.06	\$0.09	\$0.09	\$0.09	\$0.06	\$0.03	\$0.01	\$0.03	\$0.02	\$0.04	\$0.05	\$0.06
State Income Changes (Multiplier Effect = 1.3)	\$0.29	\$0.39	\$0.35	\$0.31	\$0.22	\$0.14	\$0.10	\$0.13	\$0.08	\$0.15	\$0.18	\$0.24
Multiplier Effect at 1.9	\$0.18	\$0.27	\$0.28	\$0.26	\$0.17	\$0.10	\$0.04	\$0.08	\$0.07	\$0.12	\$0.14	\$0.18
State Income Changes (Multiplier Effect = 1.9)	\$0.41	\$0.57	\$0.54	\$0.49	\$0.33	\$0.21	\$0.13	\$0.19	\$0.13	\$0.22	\$0.27	\$0.36
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	241	408	521	467	236	10	20	62	110	181	176	159
U.S. Refinery Employment Changes	20	(31)	(57)	(85)	(41)	5	20	(31)	(57)	(85)	(41)	5
U.S. Import-Export Port Services Employment Changes	19	20	18	19	24	31	20	23	22	21	25	29
U.S. Transportation Sector Employment Changes	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Petroleum Product Consumer Gains Employment Change	1,301	1,508	807	767	700	803	858	812	23	186	574	1,128
Direct and Indirect Employment Changes	1,581	1,904	1,289	1,169	919	849	919	866	97	303	733	1,322
Multiplier Effect at 1.3	605	899	941	854	569	340	149	265	242	389	460	606
State Employment Changes (Multiplier Effect = 1.3)	2,186	2,803	2,230	2,023	1,488	1,188	1,068	1,131	339	692	1,193	1,927
Multiplier Effect at 1.9	1,815	2,696	2,822	2,562	1,708	1,019	446	794	725	1,166	1,379	1,817
State Employment Changes (Multiplier Effect = 1.9)	3,396	4,601	4,111	3,731	2,627	1,868	1,365	1,660	822	1,469	2,112	3,139

State: Arkansas High-Differential Scenario							Arkansas Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.24	\$0.28	\$0.26	\$0.23	\$0.13	\$0.03	\$0.02	\$0.07	\$0.07	\$0.15	\$0.11	\$0.08
U.S. Refinery GDP Changes	(\$0.14)	(\$0.14)	(\$0.09)	(\$0.08)	(\$0.05)	(\$0.02)	(\$0.03)	(\$0.05)	(\$0.02)	(\$0.07)	(\$0.05)	(\$0.03)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Transportation Sector GDP Changes	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.08	\$0.09	\$0.05	\$0.05	\$0.04	\$0.05	\$0.05	\$0.05	\$0.00	\$0.01	\$0.04	\$0.07
Direct and Indirect State Income Changes	\$0.18	\$0.24	\$0.22	\$0.20	\$0.13	\$0.07	\$0.04	\$0.07	\$0.05	\$0.10	\$0.10	\$0.13
Multiplier Effect at 1.3	\$0.04	\$0.05	\$0.05	\$0.05	\$0.03	\$0.02	\$0.01	\$0.01	\$0.01	\$0.02	\$0.03	\$0.03
State Income Changes (Multiplier Effect = 1.3)	\$0.22	\$0.29	\$0.28	\$0.25	\$0.16	\$0.09	\$0.05	\$0.08	\$0.07	\$0.12	\$0.13	\$0.16
Multiplier Effect at 1.9	\$0.11	\$0.16	\$0.16	\$0.15	\$0.10	\$0.05	\$0.02	\$0.04	\$0.04	\$0.07	\$0.08	\$0.10
State Income Changes (Multiplier Effect = 1.9)	\$0.29	\$0.40	\$0.39	\$0.35	\$0.22	\$0.12	\$0.06	\$0.11	\$0.09	\$0.17	\$0.18	\$0.23
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	275	452	564	505	250	10	23	68	119	195	186	166
U.S. Refinery Employment Changes	12	(19)	(35)	(52)	(25)	3	12	(19)	(35)	(52)	(25)	3
U.S. Import-Export Port Services Employment Changes	9	10	9	9	12	15	10	11	10	10	12	14
U.S. Transportation Sector Employment Changes	33	19	31	11	2	(20)	6	1	17	8	6	(12)
U.S. Petroleum Product Consumer Gains Employment Change	815	944	505	481	438	503	538	509	14	116	359	707
Direct and Indirect Employment Changes	1,144	1,406	1,073	953	676	512	589	570	126	277	538	878
Multiplier Effect at 1.3	362	523	545	493	318	177	72	144	140	230	257	327
State Employment Changes (Multiplier Effect = 1.3)	1,507	1,929	1,618	1,446	994	689	661	714	265	507	795	1,205
Multiplier Effect at 1.9	1,087	1,570	1,636	1,478	953	532	217	431	419	689	771	982
State Employment Changes (Multiplier Effect = 1.9)	2,231	2,975	2,709	2,431	1,629	1,043	806	1,001	544	967	1,308	1,860

State: California High-Differential Scenario							California Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$2.06	\$1.98	\$1.58	\$1.42	\$0.84	\$0.22	\$0.18	\$0.45	\$0.41	\$0.92	\$0.72	\$0.57
U.S. Refinery GDP Changes	(\$2.30)	(\$2.34)	(\$1.56)	(\$1.38)	(\$0.82)	(\$0.26)	(\$0.56)	(\$0.78)	(\$0.33)	(\$1.12)	(\$0.76)	(\$0.43)
U.S. Import-Export Port Service GDP Changes	\$0.03	\$0.03	\$0.04	\$0.05	\$0.08	\$0.09	\$0.02	\$0.03	\$0.04	\$0.05	\$0.07	\$0.07
U.S. Transportation Sector GDP Changes	(\$0.03)	(\$0.02)	(\$0.00)	\$0.03	\$0.01	\$0.00	(\$0.04)	(\$0.02)	(\$0.01)	\$0.03	\$0.01	\$0.01
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.71	\$0.82	\$0.44	\$0.42	\$0.38	\$0.44	\$0.47	\$0.44	\$0.01	\$0.10	\$0.31	\$0.62
Direct and Indirect State Income Changes	\$0.47	\$0.48	\$0.50	\$0.54	\$0.49	\$0.50	\$0.08	\$0.12	\$0.13	(\$0.03)	\$0.35	\$0.84
Multiplier Effect at 1.3	\$0.29	\$0.45	\$0.52	\$0.48	\$0.33	\$0.21	\$0.05	\$0.11	\$0.14	\$0.18	\$0.26	\$0.39
State Income Changes (Multiplier Effect = 1.3)	\$0.76	\$0.93	\$1.02	\$1.03	\$0.83	\$0.72	\$0.12	\$0.24	\$0.27	\$0.16	\$0.61	\$1.23
Multiplier Effect at 1.9	\$0.88	\$1.35	\$1.56	\$1.45	\$1.00	\$0.64	\$0.14	\$0.34	\$0.42	\$0.55	\$0.78	\$1.16
State Income Changes (Multiplier Effect = 1.9)	\$1.35	\$1.83	\$2.06	\$1.99	\$1.49	\$1.14	\$0.21	\$0.46	\$0.55	\$0.53	\$1.14	\$2.00
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	2,369	3,146	3,368	3,102	1,628	73	197	475	711	1,202	1,209	1,177
U.S. Refinery Employment Changes	141	(223)	(407)	(600)	(292)	35	141	(223)	(407)	(600)	(292)	35
U.S. Import-Export Port Services Employment Changes	96	128	127	151	272	376	106	147	151	170	278	361
U.S. Transportation Sector Employment Changes	954	483	717	268	43	(581)	172	32	404	180	170	(359)
U.S. Petroleum Product Consumer Gains Employment Change	7,119	8,246	4,412	4,197	3,827	4,395	4,696	4,444	124	1,017	3,138	6,172
Direct and Indirect Employment Changes	10,679	11,781	8,218	7,118	5,478	4,298	5,312	4,874	984	1,969	4,503	7,385
Multiplier Effect at 1.3	2,923	4,490	5,190	4,835	3,327	2,142	459	1,133	1,415	1,841	2,611	3,868
State Employment Changes (Multiplier Effect = 1.3)	13,602	16,270	13,408	11,953	8,805	6,441	5,771	6,007	2,399	3,809	7,114	11,253
Multiplier Effect at 1.9	8,768	13,470	15,570	14,505	9,981	6,427	1,378	3,400	4,245	5,522	7,832	11,603
State Employment Changes (Multiplier Effect = 1.9)	19,447	25,250	23,787	21,623	15,459	10,725	6,690	8,274	5,229	7,490	12,335	18,988

State: Colorado High-Differential Scenario							Colorado Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.43	\$0.39	\$0.42	\$0.58	\$0.54	\$0.22	\$0.04	\$0.09	\$0.11	\$0.38	\$0.47	\$0.55
U.S. Refinery GDP Changes	(\$0.17)	(\$0.17)	(\$0.11)	(\$0.10)	(\$0.06)	(\$0.02)	(\$0.04)	(\$0.06)	(\$0.02)	(\$0.08)	(\$0.06)	(\$0.03)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Transportation Sector GDP Changes	(\$0.01)	(\$0.00)	(\$0.00)	\$0.01	\$0.01	\$0.00	(\$0.01)	(\$0.00)	(\$0.00)	\$0.01	\$0.01	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.11	\$0.13	\$0.07	\$0.06	\$0.06	\$0.07	\$0.07	\$0.07	\$0.00	\$0.02	\$0.05	\$0.09
Direct and Indirect State Income Changes	\$0.37	\$0.35	\$0.38	\$0.56	\$0.55	\$0.27	\$0.07	\$0.10	\$0.09	\$0.32	\$0.47	\$0.63
Multiplier Effect at 1.3	\$0.08	\$0.09	\$0.11	\$0.12	\$0.10	\$0.05	\$0.01	\$0.03	\$0.03	\$0.06	\$0.09	\$0.11
State Income Changes (Multiplier Effect = 1.3)	\$0.45	\$0.44	\$0.48	\$0.69	\$0.66	\$0.33	\$0.08	\$0.13	\$0.12	\$0.39	\$0.55	\$0.74
Multiplier Effect at 1.9	\$0.23	\$0.28	\$0.32	\$0.37	\$0.31	\$0.16	\$0.04	\$0.08	\$0.08	\$0.19	\$0.26	\$0.34
State Income Changes (Multiplier Effect = 1.9)	\$0.60	\$0.63	\$0.70	\$0.94	\$0.86	\$0.43	\$0.10	\$0.18	\$0.17	\$0.52	\$0.72	\$0.97
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	499	624	894	1,280	1,052	70	41	94	189	496	782	1,138
U.S. Refinery Employment Changes	16	(25)	(46)	(68)	(33)	4	16	(25)	(46)	(68)	(33)	4
U.S. Import-Export Port Services Employment Changes	12	13	12	12	16	20	13	15	14	14	16	19
U.S. Transportation Sector Employment Changes	158	69	138	88	23	(488)	28	4	78	59	92	(302)
U.S. Petroleum Product Consumer Gains Employment Change	1,094	1,267	678	645	588	675	722	683	19	156	482	948
Direct and Indirect Employment Changes	1,779	1,948	1,676	1,957	1,647	281	821	772	254	657	1,339	1,808
Multiplier Effect at 1.3	768	949	1,074	1,244	1,034	536	129	255	278	643	858	1,140
State Employment Changes (Multiplier Effect = 1.3)	2,546	2,898	2,750	3,200	2,680	817	949	1,026	531	1,300	2,197	2,948
Multiplier Effect at 1.9	2,303	2,848	3,222	3,731	3,102	1,608	386	764	833	1,930	2,574	3,420
State Employment Changes (Multiplier Effect = 1.9)	4,081	4,796	4,898	5,688	4,748	1,889	1,207	1,535	1,087	2,587	3,913	5,228

State: Connecticut High-Differential Scenario							Connecticut Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.24	\$0.29	\$0.28	\$0.24	\$0.14	\$0.03	\$0.02	\$0.07	\$0.07	\$0.16	\$0.12	\$0.09
U.S. Refinery GDP Changes	(\$0.12)	(\$0.12)	(\$0.08)	(\$0.07)	(\$0.04)	(\$0.01)	(\$0.03)	(\$0.04)	(\$0.02)	(\$0.06)	(\$0.04)	(\$0.02)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.00	\$0.00	\$0.01	\$0.01	\$0.01	\$0.01
U.S. Transportation Sector GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.10	\$0.11	\$0.06	\$0.06	\$0.05	\$0.06	\$0.06	\$0.06	\$0.00	\$0.01	\$0.04	\$0.08
Direct and Indirect State Income Changes	\$0.22	\$0.29	\$0.27	\$0.24	\$0.16	\$0.09	\$0.06	\$0.09	\$0.06	\$0.12	\$0.13	\$0.16
Multiplier Effect at 1.3	\$0.06	\$0.08	\$0.09	\$0.08	\$0.05	\$0.03	\$0.01	\$0.02	\$0.02	\$0.04	\$0.04	\$0.05
State Income Changes (Multiplier Effect = 1.3)	\$0.28	\$0.38	\$0.36	\$0.32	\$0.21	\$0.12	\$0.07	\$0.12	\$0.09	\$0.16	\$0.17	\$0.21
Multiplier Effect at 1.9	\$0.17	\$0.25	\$0.27	\$0.24	\$0.16	\$0.09	\$0.04	\$0.07	\$0.07	\$0.11	\$0.13	\$0.16
State Income Changes (Multiplier Effect = 1.9)	\$0.39	\$0.54	\$0.54	\$0.48	\$0.32	\$0.18	\$0.10	\$0.16	\$0.13	\$0.24	\$0.26	\$0.32
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	275	467	597	535	271	11	23	71	126	207	201	182
U.S. Refinery Employment Changes	21	(33)	(60)	(88)	(43)	5	21	(33)	(60)	(88)	(43)	5
U.S. Import-Export Port Services Employment Changes	17	19	16	18	24	33	18	22	19	20	24	31
U.S. Transportation Sector Employment Changes	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Petroleum Product Consumer Gains Employment Change	964	1,116	597	568	518	595	636	601	17	138	425	835
Direct and Indirect Employment Changes	1,276	1,570	1,151	1,033	769	644	698	661	102	277	607	1,054
Multiplier Effect at 1.3	567	844	900	814	534	302	119	236	236	382	432	550
State Employment Changes (Multiplier Effect = 1.3)	1,844	2,414	2,050	1,847	1,304	946	816	897	338	659	1,040	1,604
Multiplier Effect at 1.9	1,701	2,533	2,699	2,443	1,603	905	357	707	707	1,145	1,297	1,650
State Employment Changes (Multiplier Effect = 1.9)	2,978	4,103	3,850	3,476	2,373	1,549	1,054	1,368	809	1,422	1,905	2,704

State: Delaware High-Differential Scenario							Delaware Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.02	\$0.03	\$0.03	\$0.02	\$0.01	\$0.00	\$0.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
U.S. Refinery GDP Changes	(\$0.18)	(\$0.19)	(\$0.12)	(\$0.11)	(\$0.07)	(\$0.02)	(\$0.04)	(\$0.06)	(\$0.03)	(\$0.09)	(\$0.06)	(\$0.03)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Transportation Sector GDP Changes	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.02	\$0.02	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.00	\$0.00	\$0.01	\$0.02
Direct and Indirect State Income Changes	(\$0.14)	(\$0.14)	(\$0.09)	(\$0.07)	(\$0.04)	(\$0.00)	(\$0.03)	(\$0.05)	(\$0.02)	(\$0.07)	(\$0.04)	(\$0.01)
Multiplier Effect at 1.3	(\$0.01)	(\$0.01)	(\$0.00)	\$0.00	\$0.00	\$0.00	(\$0.00)	(\$0.00)	\$0.00	(\$0.00)	\$0.00	\$0.01
State Income Changes (Multiplier Effect = 1.3)	(\$0.16)	(\$0.15)	(\$0.09)	(\$0.07)	(\$0.04)	(\$0.00)	(\$0.04)	(\$0.05)	(\$0.02)	(\$0.07)	(\$0.04)	(\$0.00)
Multiplier Effect at 1.9	(\$0.04)	(\$0.02)	(\$0.00)	\$0.00	\$0.00	\$0.01	(\$0.01)	(\$0.01)	\$0.00	(\$0.01)	\$0.00	\$0.02
State Income Changes (Multiplier Effect = 1.9)	(\$0.18)	(\$0.16)	(\$0.09)	(\$0.07)	(\$0.04)	\$0.00	(\$0.04)	(\$0.06)	(\$0.02)	(\$0.08)	(\$0.04)	\$0.01
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	25	43	55	49	25	1	2	6	12	19	18	17
U.S. Refinery Employment Changes	8	(12)	(22)	(33)	(16)	2	8	(12)	(22)	(33)	(16)	2
U.S. Import-Export Port Services Employment Changes	2	2	2	2	3	3	2	3	2	2	3	3
U.S. Transportation Sector Employment Changes	47	30	52	19	3	(37)	8	2	29	13	12	(23)
U.S. Petroleum Product Consumer Gains Employment Change	182	211	113	107	98	113	120	114	3	26	80	158
Direct and Indirect Employment Changes	264	274	200	145	113	82	141	113	24	27	97	157
Multiplier Effect at 1.3	(119)	(78)	(0)	6	12	29	(30)	(33)	6	(41)	1	54
State Employment Changes (Multiplier Effect = 1.3)	145	196	200	151	125	111	111	80	30	(14)	98	211
Multiplier Effect at 1.9	(358)	(233)	(0)	19	37	87	(90)	(98)	17	(123)	4	162
State Employment Changes (Multiplier Effect = 1.9)	(94)	41	200	164	149	169	50	15	41	(96)	101	319

State: District of Columbia High-Differential Scenario							District of Columbia Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Refinery GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Transportation Sector GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.00	\$0.00	\$0.01	\$0.01
Direct and Indirect State Income Changes	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.00	\$0.00	\$0.01	\$0.01
Multiplier Effect at 1.3	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.00	\$0.00	\$0.00	\$0.01	\$0.01	\$0.01
State Income Changes (Multiplier Effect = 1.3)	\$0.02	\$0.03	\$0.02	\$0.02	\$0.01	\$0.01	\$0.01	\$0.01	\$0.00	\$0.01	\$0.01	\$0.02
Multiplier Effect at 1.9	\$0.02	\$0.04	\$0.04	\$0.04	\$0.02	\$0.02	\$0.01	\$0.01	\$0.01	\$0.02	\$0.02	\$0.03
State Income Changes (Multiplier Effect = 1.9)	\$0.04	\$0.05	\$0.05	\$0.04	\$0.03	\$0.02	\$0.01	\$0.02	\$0.01	\$0.02	\$0.03	\$0.04
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Refinery Employment Changes	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Import-Export Port Services Employment Changes	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Transportation Sector Employment Changes	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Petroleum Product Consumer Gains Employment Change	116	135	72	69	62	72	77	73	2	17	51	101
Direct and Indirect Employment Changes	116	135	72	69	62	72	77	73	2	17	51	101
Multiplier Effect at 1.3	79	124	135	123	83	51	19	36	35	54	66	91
State Employment Changes (Multiplier Effect = 1.3)	195	259	207	192	145	123	96	108	37	70	118	191
Multiplier Effect at 1.9	237	372	405	370	249	153	58	108	105	161	199	272
State Employment Changes (Multiplier Effect = 1.9)	353	506	477	439	311	225	135	180	107	177	250	373

State: Florida High-Differential Scenario							Florida Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.26	\$0.32	\$0.31	\$0.27	\$0.15	\$0.04	\$0.02	\$0.07	\$0.08	\$0.17	\$0.13	\$0.10
U.S. Refinery GDP Changes	(\$0.13)	(\$0.13)	(\$0.09)	(\$0.08)	(\$0.05)	(\$0.01)	(\$0.03)	(\$0.04)	(\$0.02)	(\$0.06)	(\$0.04)	(\$0.02)
U.S. Import-Export Port Service GDP Changes	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.01	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.01
U.S. Transportation Sector GDP Changes	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.36	\$0.42	\$0.22	\$0.21	\$0.19	\$0.22	\$0.24	\$0.22	\$0.01	\$0.05	\$0.16	\$0.31
Direct and Indirect State Income Changes	\$0.49	\$0.61	\$0.44	\$0.40	\$0.30	\$0.26	\$0.23	\$0.25	\$0.06	\$0.16	\$0.25	\$0.39
Multiplier Effect at 1.3	\$0.17	\$0.25	\$0.26	\$0.24	\$0.16	\$0.10	\$0.04	\$0.08	\$0.07	\$0.11	\$0.13	\$0.18
State Income Changes (Multiplier Effect = 1.3)	\$0.66	\$0.86	\$0.70	\$0.64	\$0.47	\$0.36	\$0.27	\$0.33	\$0.13	\$0.27	\$0.38	\$0.57
Multiplier Effect at 1.9	\$0.50	\$0.76	\$0.79	\$0.72	\$0.49	\$0.31	\$0.13	\$0.23	\$0.20	\$0.32	\$0.39	\$0.54
State Income Changes (Multiplier Effect = 1.9)	\$1.00	\$1.37	\$1.23	\$1.13	\$0.79	\$0.56	\$0.36	\$0.48	\$0.26	\$0.48	\$0.64	\$0.93
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	301	510	650	583	294	12	25	77	137	226	219	198
U.S. Refinery Employment Changes	22	(36)	(65)	(96)	(47)	6	22	(36)	(65)	(96)	(47)	6
U.S. Import-Export Port Services Employment Changes	(9)	(2)	(11)	1	11	45	(10)	(3)	(13)	2	11	43
U.S. Transportation Sector Employment Changes	1	0	0	0	0	(0)	0	0	0	0	0	(0)
U.S. Petroleum Product Consumer Gains Employment Change	3,599	4,168	2,231	2,122	1,935	2,222	2,374	2,246	63	514	1,586	3,120
Direct and Indirect Employment Changes	3,914	4,641	2,806	2,611	2,193	2,284	2,411	2,285	123	646	1,770	3,366
Multiplier Effect at 1.3	1,680	2,534	2,643	2,415	1,627	1,019	442	760	660	1,059	1,309	1,791
State Employment Changes (Multiplier Effect = 1.3)	5,595	7,175	5,449	5,026	3,820	3,303	2,854	3,045	782	1,705	3,079	5,157
Multiplier Effect at 1.9	5,041	7,602	7,930	7,246	4,881	3,057	1,327	2,279	1,980	3,178	3,928	5,373
State Employment Changes (Multiplier Effect = 1.9)	8,955	12,243	10,736	9,857	7,074	5,341	3,738	4,565	2,102	3,824	5,698	8,739

State: Georgia High-Differential Scenario							Georgia Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.20	\$0.24	\$0.23	\$0.20	\$0.11	\$0.03	\$0.02	\$0.06	\$0.06	\$0.13	\$0.10	\$0.07
U.S. Refinery GDP Changes	(\$0.13)	(\$0.13)	(\$0.09)	(\$0.08)	(\$0.05)	(\$0.01)	(\$0.03)	(\$0.04)	(\$0.02)	(\$0.06)	(\$0.04)	(\$0.02)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.01	\$0.01	\$0.01	\$0.00	\$0.00	\$0.00	\$0.01	\$0.01	\$0.01
U.S. Transportation Sector GDP Changes	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.21	\$0.24	\$0.13	\$0.12	\$0.11	\$0.13	\$0.14	\$0.13	\$0.00	\$0.03	\$0.09	\$0.18
Direct and Indirect State Income Changes	\$0.28	\$0.35	\$0.28	\$0.25	\$0.19	\$0.15	\$0.13	\$0.15	\$0.05	\$0.10	\$0.15	\$0.24
Multiplier Effect at 1.3	\$0.08	\$0.13	\$0.13	\$0.12	\$0.08	\$0.05	\$0.02	\$0.04	\$0.03	\$0.05	\$0.07	\$0.09
State Income Changes (Multiplier Effect = 1.3)	\$0.36	\$0.48	\$0.41	\$0.37	\$0.27	\$0.20	\$0.15	\$0.18	\$0.08	\$0.16	\$0.22	\$0.33
Multiplier Effect at 1.9	\$0.25	\$0.38	\$0.39	\$0.36	\$0.24	\$0.15	\$0.07	\$0.12	\$0.10	\$0.16	\$0.20	\$0.27
State Income Changes (Multiplier Effect = 1.9)	\$0.53	\$0.73	\$0.67	\$0.61	\$0.43	\$0.31	\$0.20	\$0.26	\$0.15	\$0.26	\$0.35	\$0.51
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	225	382	488	438	221	9	19	58	103	170	165	149
U.S. Refinery Employment Changes	19	(30)	(55)	(81)	(39)	5	19	(30)	(55)	(81)	(39)	5
U.S. Import-Export Port Services Employment Changes	12	17	14	21	25	38	14	20	16	24	26	36
U.S. Transportation Sector Employment Changes	7	5	8	3	0	(6)	1	0	5	2	2	(4)
U.S. Petroleum Product Consumer Gains Employment Change	2,084	2,414	1,291	1,228	1,120	1,286	1,374	1,301	36	298	918	1,806
Direct and Indirect Employment Changes	2,347	2,788	1,747	1,610	1,328	1,332	1,427	1,348	106	412	1,071	1,993
Multiplier Effect at 1.3	841	1,264	1,314	1,201	812	512	230	386	330	525	653	896
State Employment Changes (Multiplier Effect = 1.3)	3,188	4,052	3,061	2,810	2,140	1,844	1,657	1,734	436	938	1,725	2,889
Multiplier Effect at 1.9	2,522	3,793	3,941	3,602	2,436	1,537	691	1,157	989	1,576	1,960	2,689
State Employment Changes (Multiplier Effect = 1.9)	4,869	6,581	5,688	5,212	3,764	2,869	2,117	2,506	1,095	1,989	3,031	4,681

State: Hawaii High-Differential Scenario							Hawaii Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.00	\$0.01	\$0.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Refinery GDP Changes	(\$0.14)	(\$0.14)	(\$0.10)	(\$0.08)	(\$0.05)	(\$0.02)	(\$0.03)	(\$0.05)	(\$0.02)	(\$0.07)	(\$0.05)	(\$0.03)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Transportation Sector GDP Changes	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.03	\$0.03	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.00	\$0.00	\$0.01	\$0.03
Direct and Indirect State Income Changes	(\$0.11)	(\$0.10)	(\$0.07)	(\$0.06)	(\$0.03)	\$0.01	(\$0.02)	(\$0.03)	(\$0.02)	(\$0.06)	(\$0.03)	\$0.00
Multiplier Effect at 1.3	(\$0.00)	\$0.00	\$0.01	\$0.01	\$0.01	\$0.01	(\$0.00)	\$0.00	\$0.00	(\$0.00)	\$0.00	\$0.01
State Income Changes (Multiplier Effect = 1.3)	(\$0.11)	(\$0.10)	(\$0.06)	(\$0.05)	(\$0.02)	\$0.01	(\$0.02)	(\$0.03)	(\$0.01)	(\$0.06)	(\$0.02)	\$0.02
Multiplier Effect at 1.9	(\$0.01)	\$0.00	\$0.02	\$0.02	\$0.02	\$0.02	(\$0.00)	\$0.00	\$0.01	(\$0.00)	\$0.01	\$0.03
State Income Changes (Multiplier Effect = 1.9)	(\$0.12)	(\$0.10)	(\$0.05)	(\$0.03)	(\$0.01)	\$0.03	(\$0.02)	(\$0.03)	(\$0.01)	(\$0.06)	(\$0.01)	\$0.04
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	6	10	12	11	6	0	0	1	3	4	4	4
U.S. Refinery Employment Changes	5	(8)	(14)	(21)	(10)	1	5	(8)	(14)	(21)	(10)	1
U.S. Import-Export Port Services Employment Changes	3	5	4	5	12	18	3	6	5	6	13	17
U.S. Transportation Sector Employment Changes	38	24	42	15	2	(30)	7	2	24	10	9	(19)
U.S. Petroleum Product Consumer Gains Employment Change	293	340	182	173	158	181	193	183	5	42	129	254
Direct and Indirect Employment Changes	345	371	226	183	168	170	209	184	22	41	145	257
Multiplier Effect at 1.3	(44)	16	79	79	65	64	(5)	1	24	(3)	45	108
State Employment Changes (Multiplier Effect = 1.3)	301	387	306	262	233	234	204	185	47	38	190	365
Multiplier Effect at 1.9	(132)	49	238	237	194	192	(16)	4	73	(8)	135	323
State Employment Changes (Multiplier Effect = 1.9)	212	420	465	421	362	362	193	188	96	33	281	581

State: Idaho							Idaho					
High-Differential Scenario							Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.05	\$0.06	\$0.06	\$0.05	\$0.03	\$0.01	\$0.00	\$0.01	\$0.02	\$0.03	\$0.03	\$0.02
U.S. Refinery GDP Changes	(\$0.03)	(\$0.03)	(\$0.02)	(\$0.02)	(\$0.01)	(\$0.00)	(\$0.01)	(\$0.01)	(\$0.00)	(\$0.01)	(\$0.01)	(\$0.01)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Transportation Sector GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.04	\$0.04	\$0.02	\$0.02	\$0.02	\$0.02	\$0.03	\$0.02	\$0.00	\$0.01	\$0.02	\$0.03
Direct and Indirect State Income Changes	\$0.06	\$0.08	\$0.07	\$0.06	\$0.04	\$0.03	\$0.02	\$0.03	\$0.01	\$0.03	\$0.04	\$0.05
Multiplier Effect at 1.3	\$0.02	\$0.02	\$0.02	\$0.02	\$0.01	\$0.01	\$0.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
State Income Changes (Multiplier Effect = 1.3)	\$0.08	\$0.10	\$0.09	\$0.08	\$0.06	\$0.04	\$0.03	\$0.04	\$0.02	\$0.04	\$0.05	\$0.06
Multiplier Effect at 1.9	\$0.05	\$0.07	\$0.07	\$0.06	\$0.04	\$0.03	\$0.01	\$0.02	\$0.02	\$0.03	\$0.03	\$0.04
State Income Changes (Multiplier Effect = 1.9)	\$0.11	\$0.15	\$0.14	\$0.12	\$0.08	\$0.06	\$0.04	\$0.05	\$0.03	\$0.06	\$0.07	\$0.09
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	60	102	131	117	59	2	5	15	28	45	44	40
U.S. Refinery Employment Changes	5	(8)	(15)	(22)	(11)	1	5	(8)	(15)	(22)	(11)	1
U.S. Import-Export Port Services Employment Changes	5	5	5	5	6	8	5	6	6	5	6	7
U.S. Transportation Sector Employment Changes	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Petroleum Product Consumer Gains Employment Change	387	448	240	228	208	239	255	241	7	55	170	335
Direct and Indirect Employment Changes	457	548	361	328	263	250	270	255	25	84	210	384
Multiplier Effect at 1.3	151	221	226	205	138	85	41	68	57	93	112	149
State Employment Changes (Multiplier Effect = 1.3)	608	769	587	534	401	335	311	323	82	177	322	533
Multiplier Effect at 1.9	454	664	678	616	415	255	123	203	171	278	335	448
State Employment Changes (Multiplier Effect = 1.9)	911	1,212	1,039	945	678	505	393	458	196	362	546	832

State: Illinois							Illinois					
High-Differential Scenario							Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.90	\$1.10	\$1.04	\$0.91	\$0.51	\$0.13	\$0.08	\$0.25	\$0.27	\$0.59	\$0.44	\$0.33
U.S. Refinery GDP Changes	(\$1.23)	(\$1.26)	(\$0.84)	(\$0.74)	(\$0.44)	(\$0.14)	(\$0.30)	(\$0.42)	(\$0.17)	(\$0.60)	(\$0.41)	(\$0.23)
U.S. Import-Export Port Service GDP Changes	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.01	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02
U.S. Transportation Sector GDP Changes	(\$0.01)	(\$0.01)	(\$0.00)	\$0.01	\$0.00	\$0.00	(\$0.01)	(\$0.01)	(\$0.00)	\$0.01	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.26	\$0.30	\$0.16	\$0.15	\$0.14	\$0.16	\$0.17	\$0.16	\$0.00	\$0.04	\$0.12	\$0.23
Direct and Indirect State Income Changes	(\$0.06)	\$0.15	\$0.38	\$0.35	\$0.24	\$0.17	(\$0.04)	\$0.00	\$0.11	\$0.05	\$0.17	\$0.34
Multiplier Effect at 1.3	\$0.07	\$0.15	\$0.20	\$0.19	\$0.12	\$0.07	\$0.01	\$0.03	\$0.06	\$0.07	\$0.10	\$0.14
State Income Changes (Multiplier Effect = 1.3)	\$0.01	\$0.31	\$0.59	\$0.54	\$0.36	\$0.25	(\$0.04)	\$0.04	\$0.17	\$0.12	\$0.27	\$0.48
Multiplier Effect at 1.9	\$0.22	\$0.46	\$0.61	\$0.56	\$0.37	\$0.22	\$0.02	\$0.10	\$0.17	\$0.21	\$0.29	\$0.42
State Income Changes (Multiplier Effect = 1.9)	\$0.16	\$0.62	\$0.99	\$0.91	\$0.61	\$0.40	(\$0.02)	\$0.10	\$0.28	\$0.26	\$0.46	\$0.76
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	1,039	1,746	2,215	1,983	997	41	86	264	468	768	741	668
U.S. Refinery Employment Changes	89	(141)	(257)	(379)	(184)	22	89	(141)	(257)	(379)	(184)	22
U.S. Import-Export Port Services Employment Changes	56	62	55	56	73	92	62	71	66	64	74	89
U.S. Transportation Sector Employment Changes	258	161	278	101	16	(196)	47	11	157	68	61	(121)
U.S. Petroleum Product Consumer Gains Employment Change	2,617	3,031	1,622	1,543	1,407	1,616	1,726	1,634	46	374	1,154	2,269
Direct and Indirect Employment Changes	4,059	4,860	3,913	3,304	2,308	1,576	2,010	1,838	478	895	1,846	2,927
Multiplier Effect at 1.3	740	1,535	2,040	1,865	1,230	741	73	342	571	706	958	1,397
State Employment Changes (Multiplier Effect = 1.3)	4,799	6,395	5,953	5,169	3,538	2,317	2,083	2,180	1,050	1,601	2,804	4,324
Multiplier Effect at 1.9	2,219	4,606	6,120	5,594	3,691	2,223	219	1,026	1,714	2,118	2,875	4,192
State Employment Changes (Multiplier Effect = 1.9)	6,279	9,466	10,033	8,898	5,999	3,798	2,229	2,864	2,192	3,013	4,721	7,119

State: Indiana							Indiana					
High-Differential Scenario							Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$1.02	\$1.25	\$1.20	\$1.04	\$0.60	\$0.15	\$0.09	\$0.29	\$0.31	\$0.68	\$0.51	\$0.38
U.S. Refinery GDP Changes	(\$0.74)	(\$0.75)	(\$0.50)	(\$0.44)	(\$0.27)	(\$0.08)	(\$0.18)	(\$0.25)	(\$0.10)	(\$0.36)	(\$0.25)	(\$0.14)
U.S. Import-Export Port Service GDP Changes	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.01	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02
U.S. Transportation Sector GDP Changes	(\$0.00)	(\$0.00)	(\$0.00)	\$0.01	\$0.00	\$0.00	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.16	\$0.18	\$0.10	\$0.09	\$0.09	\$0.10	\$0.11	\$0.10	\$0.00	\$0.02	\$0.07	\$0.14
Direct and Indirect State Income Changes	\$0.45	\$0.70	\$0.81	\$0.72	\$0.44	\$0.19	\$0.02	\$0.15	\$0.22	\$0.36	\$0.36	\$0.40
Multiplier Effect at 1.3	\$0.09	\$0.14	\$0.16	\$0.15	\$0.09	\$0.04	\$0.01	\$0.03	\$0.04	\$0.07	\$0.07	\$0.09
State Income Changes (Multiplier Effect = 1.3)	\$0.54	\$0.84	\$0.97	\$0.86	\$0.53	\$0.23	\$0.03	\$0.18	\$0.27	\$0.43	\$0.43	\$0.49
Multiplier Effect at 1.9	\$0.26	\$0.42	\$0.49	\$0.44	\$0.27	\$0.13	\$0.02	\$0.09	\$0.13	\$0.21	\$0.22	\$0.26
State Income Changes (Multiplier Effect = 1.9)	\$0.72	\$1.12	\$1.30	\$1.15	\$0.71	\$0.32	\$0.05	\$0.24	\$0.36	\$0.57	\$0.58	\$0.66
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	1,177	1,995	2,550	2,286	1,156	48	98	301	538	885	859	777
U.S. Refinery Employment Changes	73	(116)	(211)	(311)	(151)	18	73	(116)	(211)	(311)	(151)	18
U.S. Import-Export Port Services Employment Changes	56	62	55	56	73	92	62	71	66	64	74	89
U.S. Transportation Sector Employment Changes	110	70	122	44	7	(87)	20	5	69	30	27	(54)
U.S. Petroleum Product Consumer Gains Employment Change	1,594	1,846	988	940	857	984	1,051	995	28	228	703	1,382
Direct and Indirect Employment Changes	3,010	3,857	3,504	3,016	1,941	1,055	1,304	1,256	490	896	1,512	2,212
Multiplier Effect at 1.3	878	1,390	1,620	1,453	915	441	81	315	447	697	737	881
State Employment Changes (Multiplier Effect = 1.3)	3,888	5,248	5,124	4,468	2,856	1,497	1,385	1,571	937	1,592	2,249	3,093
Multiplier Effect at 1.9	2,634	4,171	4,860	4,359	2,744	1,323	243	946	1,342	2,090	2,211	2,644
State Employment Changes (Multiplier Effect = 1.9)	5,644	8,028	8,364	7,374	4,685	2,379	1,547	2,201	1,832	2,986	3,723	4,856

State: Iowa							Iowa					
High-Differential Scenario							Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.13	\$0.16	\$0.15	\$0.13	\$0.08	\$0.02	\$0.01	\$0.04	\$0.04	\$0.09	\$0.06	\$0.05
U.S. Refinery GDP Changes	(\$0.07)	(\$0.07)	(\$0.05)	(\$0.04)	(\$0.03)	(\$0.01)	(\$0.02)	(\$0.02)	(\$0.01)	(\$0.03)	(\$0.02)	(\$0.01)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Transportation Sector GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.09	\$0.11	\$0.06	\$0.05	\$0.05	\$0.06	\$0.06	\$0.06	\$0.00	\$0.01	\$0.04	\$0.08
Direct and Indirect State Income Changes	\$0.15	\$0.20	\$0.16	\$0.15	\$0.10	\$0.07	\$0.06	\$0.07	\$0.03	\$0.07	\$0.09	\$0.12
Multiplier Effect at 1.3	\$0.04	\$0.05	\$0.05	\$0.05	\$0.03	\$0.02	\$0.01	\$0.02	\$0.01	\$0.02	\$0.03	\$0.04
State Income Changes (Multiplier Effect = 1.3)	\$0.19	\$0.25	\$0.22	\$0.20	\$0.14	\$0.09	\$0.07	\$0.09	\$0.05	\$0.09	\$0.11	\$0.15
Multiplier Effect at 1.9	\$0.11	\$0.16	\$0.16	\$0.15	\$0.10	\$0.06	\$0.03	\$0.05	\$0.04	\$0.07	\$0.08	\$0.11
State Income Changes (Multiplier Effect = 1.9)	\$0.26	\$0.35	\$0.32	\$0.29	\$0.20	\$0.13	\$0.09	\$0.12	\$0.07	\$0.13	\$0.17	\$0.22
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	149	253	323	289	146	6	12	38	68	112	109	98
U.S. Refinery Employment Changes	13	(20)	(36)	(54)	(26)	3	13	(20)	(36)	(54)	(26)	3
U.S. Import-Export Port Services Employment Changes	12	13	12	12	15	19	13	15	14	13	16	19
U.S. Transportation Sector Employment Changes	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Petroleum Product Consumer Gains Employment Change	923	1,069	572	544	496	570	609	576	16	132	407	800
Direct and Indirect Employment Changes	1,096	1,314	870	792	632	598	647	609	62	204	505	920
Multiplier Effect at 1.3	359	524	535	486	327	201	97	160	135	220	264	353
State Employment Changes (Multiplier Effect = 1.3)	1,455	1,839	1,405	1,278	959	799	743	769	196	423	769	1,273
Multiplier Effect at 1.9	1,076	1,573	1,606	1,459	981	602	290	481	404	659	793	1,059
State Employment Changes (Multiplier Effect = 1.9)	2,172	2,888	2,476	2,251	1,613	1,200	936	1,090	466	862	1,298	1,979

State: Kansas High-Differential Scenario							Kansas Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.71	\$0.64	\$0.47	\$0.43	\$0.22	\$0.06	\$0.06	\$0.15	\$0.12	\$0.28	\$0.19	\$0.14
U.S. Refinery GDP Changes	(\$0.38)	(\$0.39)	(\$0.26)	(\$0.23)	(\$0.14)	(\$0.04)	(\$0.09)	(\$0.13)	(\$0.05)	(\$0.19)	(\$0.13)	(\$0.07)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Transportation Sector GDP Changes	(\$0.01)	(\$0.01)	(\$0.00)	\$0.01	\$0.00	\$0.00	(\$0.01)	(\$0.01)	(\$0.00)	\$0.01	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.07	\$0.09	\$0.05	\$0.04	\$0.04	\$0.05	\$0.05	\$0.05	\$0.00	\$0.01	\$0.03	\$0.06
Direct and Indirect State Income Changes	\$0.39	\$0.34	\$0.26	\$0.26	\$0.13	\$0.06	\$0.01	\$0.06	\$0.07	\$0.11	\$0.10	\$0.14
Multiplier Effect at 1.3	\$0.06	\$0.07	\$0.06	\$0.06	\$0.03	\$0.02	\$0.00	\$0.01	\$0.02	\$0.03	\$0.03	\$0.04
State Income Changes (Multiplier Effect = 1.3)	\$0.45	\$0.40	\$0.32	\$0.32	\$0.16	\$0.08	\$0.01	\$0.07	\$0.09	\$0.14	\$0.13	\$0.18
Multiplier Effect at 1.9	\$0.19	\$0.20	\$0.19	\$0.18	\$0.10	\$0.06	\$0.01	\$0.04	\$0.05	\$0.08	\$0.08	\$0.11
State Income Changes (Multiplier Effect = 1.9)	\$0.58	\$0.54	\$0.45	\$0.44	\$0.23	\$0.12	\$0.02	\$0.10	\$0.12	\$0.20	\$0.18	\$0.26
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	812	1,024	997	940	426	18	68	155	210	364	316	297
U.S. Refinery Employment Changes	22	(34)	(63)	(92)	(45)	5	22	(34)	(63)	(92)	(45)	5
U.S. Import-Export Port Services Employment Changes	11	12	10	11	14	17	12	13	12	12	14	17
U.S. Transportation Sector Employment Changes	354	175	245	93	13	(172)	64	11	138	62	52	(107)
U.S. Petroleum Product Consumer Gains Employment Change	745	863	462	439	401	460	491	465	13	106	328	646
Direct and Indirect Employment Changes	1,944	2,039	1,652	1,391	808	329	656	610	312	453	666	858
Multiplier Effect at 1.3	633	680	631	605	349	186	33	139	171	269	275	373
State Employment Changes (Multiplier Effect = 1.3)	2,577	2,719	2,283	1,996	1,157	515	689	749	482	722	941	1,232
Multiplier Effect at 1.9	1,898	2,039	1,894	1,814	1,046	559	99	416	512	808	826	1,119
State Employment Changes (Multiplier Effect = 1.9)	3,842	4,078	3,545	3,205	1,855	888	756	1,026	823	1,260	1,492	1,978

State: Kentucky High-Differential Scenario							Kentucky Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.26	\$0.32	\$0.30	\$0.26	\$0.15	\$0.04	\$0.02	\$0.07	\$0.08	\$0.17	\$0.13	\$0.09
U.S. Refinery GDP Changes	(\$0.34)	(\$0.35)	(\$0.23)	(\$0.20)	(\$0.12)	(\$0.04)	(\$0.08)	(\$0.12)	(\$0.05)	(\$0.17)	(\$0.11)	(\$0.06)
U.S. Import-Export Port Service GDP Changes	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
U.S. Transportation Sector GDP Changes	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.12	\$0.14	\$0.07	\$0.07	\$0.06	\$0.07	\$0.08	\$0.07	\$0.00	\$0.02	\$0.05	\$0.10
Direct and Indirect State Income Changes	\$0.04	\$0.11	\$0.15	\$0.14	\$0.10	\$0.08	\$0.02	\$0.03	\$0.04	\$0.03	\$0.07	\$0.14
Multiplier Effect at 1.3	\$0.03	\$0.05	\$0.06	\$0.05	\$0.04	\$0.02	\$0.01	\$0.01	\$0.02	\$0.02	\$0.03	\$0.04
State Income Changes (Multiplier Effect = 1.3)	\$0.07	\$0.16	\$0.21	\$0.19	\$0.13	\$0.10	\$0.02	\$0.05	\$0.05	\$0.05	\$0.10	\$0.18
Multiplier Effect at 1.9	\$0.08	\$0.15	\$0.18	\$0.16	\$0.11	\$0.07	\$0.02	\$0.04	\$0.05	\$0.06	\$0.09	\$0.13
State Income Changes (Multiplier Effect = 1.9)	\$0.12	\$0.26	\$0.33	\$0.30	\$0.21	\$0.15	\$0.04	\$0.07	\$0.08	\$0.09	\$0.16	\$0.27
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	301	505	642	574	290	12	25	76	135	222	215	195
U.S. Refinery Employment Changes	27	(43)	(78)	(114)	(56)	7	27	(43)	(78)	(114)	(56)	7
U.S. Import-Export Port Services Employment Changes	18	20	18	18	24	30	20	23	21	21	24	29
U.S. Transportation Sector Employment Changes	66	41	71	26	4	(50)	12	3	40	17	16	(31)
U.S. Petroleum Product Consumer Gains Employment Change	1,166	1,350	723	687	627	720	769	728	20	167	514	1,011
Direct and Indirect Employment Changes	1,578	1,874	1,375	1,191	888	718	853	787	139	312	713	1,210
Multiplier Effect at 1.3	262	485	592	541	365	233	56	128	158	204	286	425
State Employment Changes (Multiplier Effect = 1.3)	1,840	2,359	1,967	1,732	1,253	952	909	915	297	516	999	1,635
Multiplier Effect at 1.9	786	1,455	1,775	1,623	1,095	700	168	384	474	611	858	1,275
State Employment Changes (Multiplier Effect = 1.9)	2,364	3,329	3,151	2,814	1,984	1,418	1,020	1,171	613	923	1,572	2,484

State: Louisiana							Louisiana					
High-Differential Scenario							Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$2.62	\$2.44	\$1.86	\$1.76	\$0.70	\$0.12	\$0.23	\$0.56	\$0.48	\$1.14	\$0.60	\$0.32
U.S. Refinery GDP Changes	(\$3.17)	(\$3.23)	(\$2.15)	(\$1.90)	(\$1.14)	(\$0.35)	(\$0.77)	(\$1.08)	(\$0.45)	(\$1.55)	(\$1.05)	(\$0.59)
U.S. Import-Export Port Service GDP Changes	\$0.02	\$0.02	\$0.02	\$0.03	\$0.04	\$0.04	\$0.01	\$0.02	\$0.02	\$0.03	\$0.04	\$0.03
U.S. Transportation Sector GDP Changes	(\$0.07)	(\$0.03)	(\$0.00)	\$0.07	\$0.02	\$0.01	(\$0.08)	(\$0.05)	(\$0.03)	\$0.06	\$0.02	\$0.01
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.15	\$0.17	\$0.09	\$0.09	\$0.08	\$0.09	\$0.10	\$0.09	\$0.00	\$0.02	\$0.07	\$0.13
Direct and Indirect State Income Changes	(\$0.45)	(\$0.62)	(\$0.18)	\$0.05	(\$0.29)	(\$0.09)	(\$0.51)	(\$0.46)	\$0.03	(\$0.30)	(\$0.33)	(\$0.10)
Multiplier Effect at 1.3	(\$0.03)	(\$0.03)	\$0.03	\$0.05	(\$0.00)	\$0.01	(\$0.06)	(\$0.04)	\$0.02	(\$0.02)	(\$0.02)	\$0.02
State Income Changes (Multiplier Effect = 1.3)	(\$0.48)	(\$0.66)	(\$0.15)	\$0.10	(\$0.29)	(\$0.09)	(\$0.56)	(\$0.50)	\$0.05	(\$0.32)	(\$0.34)	(\$0.09)
Multiplier Effect at 1.9	(\$0.09)	(\$0.10)	\$0.08	\$0.15	(\$0.01)	\$0.02	(\$0.17)	(\$0.13)	\$0.05	(\$0.05)	(\$0.05)	\$0.06
State Income Changes (Multiplier Effect = 1.9)	(\$0.54)	(\$0.72)	(\$0.10)	\$0.20	(\$0.30)	(\$0.08)	(\$0.68)	(\$0.59)	\$0.09	(\$0.35)	(\$0.37)	(\$0.05)
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	3,011	3,888	3,958	3,857	1,363	40	250	587	836	1,494	1,013	647
U.S. Refinery Employment Changes	117	(185)	(339)	(498)	(243)	29	117	(185)	(339)	(498)	(243)	29
U.S. Import-Export Port Services Employment Changes	55	81	73	80	146	157	60	93	86	90	149	151
U.S. Transportation Sector Employment Changes	1,878	1,020	1,585	602	80	(882)	339	67	893	404	313	(545)
U.S. Petroleum Product Consumer Gains Employment Change	1,501	1,739	931	885	807	927	990	937	26	214	662	1,302
Direct and Indirect Employment Changes	6,563	6,543	6,207	4,925	2,154	271	1,757	1,498	1,503	1,704	1,894	1,583
Multiplier Effect at 1.3	(288)	(325)	277	508	(50)	53	(568)	(443)	177	(157)	(155)	184
State Employment Changes (Multiplier Effect = 1.3)	6,275	6,217	6,484	5,433	2,104	324	1,189	1,055	1,680	1,547	1,740	1,766
Multiplier Effect at 1.9	(864)	(976)	832	1,524	(150)	160	(1,705)	(1,329)	531	(472)	(464)	551
State Employment Changes (Multiplier Effect = 1.9)	5,699	5,567	7,039	6,449	2,004	431	52	169	2,034	1,232	1,431	2,133

State: Maine							Maine					
High-Differential Scenario							Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.07	\$0.08	\$0.08	\$0.07	\$0.04	\$0.01	\$0.01	\$0.02	\$0.02	\$0.04	\$0.03	\$0.02
U.S. Refinery GDP Changes	(\$0.05)	(\$0.06)	(\$0.04)	(\$0.03)	(\$0.02)	(\$0.01)	(\$0.01)	(\$0.02)	(\$0.01)	(\$0.03)	(\$0.02)	(\$0.01)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.01	\$0.01	\$0.01	\$0.00	\$0.00	\$0.00	\$0.01	\$0.01	\$0.01
U.S. Transportation Sector GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.04	\$0.05	\$0.03	\$0.03	\$0.02	\$0.03	\$0.03	\$0.03	\$0.00	\$0.01	\$0.02	\$0.04
Direct and Indirect State Income Changes	\$0.06	\$0.08	\$0.07	\$0.07	\$0.05	\$0.04	\$0.02	\$0.03	\$0.02	\$0.03	\$0.04	\$0.06
Multiplier Effect at 1.3	\$0.01	\$0.02	\$0.02	\$0.02	\$0.01	\$0.01	\$0.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.02
State Income Changes (Multiplier Effect = 1.3)	\$0.07	\$0.10	\$0.09	\$0.09	\$0.07	\$0.05	\$0.03	\$0.04	\$0.02	\$0.04	\$0.05	\$0.08
Multiplier Effect at 1.9	\$0.04	\$0.07	\$0.07	\$0.06	\$0.04	\$0.03	\$0.01	\$0.02	\$0.02	\$0.03	\$0.04	\$0.05
State Income Changes (Multiplier Effect = 1.9)	\$0.10	\$0.14	\$0.14	\$0.14	\$0.10	\$0.07	\$0.03	\$0.05	\$0.03	\$0.06	\$0.08	\$0.11
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	75	128	164	147	74	3	6	19	35	57	55	50
U.S. Refinery Employment Changes	10	(15)	(28)	(41)	(20)	2	10	(15)	(28)	(41)	(20)	2
U.S. Import-Export Port Services Employment Changes	4	17	12	35	33	51	4	19	15	39	34	49
U.S. Transportation Sector Employment Changes	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Petroleum Product Consumer Gains Employment Change	429	497	266	253	231	265	283	268	7	61	189	372
Direct and Indirect Employment Changes	518	627	414	394	318	321	303	291	29	117	259	473
Multiplier Effect at 1.3	140	217	227	216	147	99	38	68	60	99	119	162
State Employment Changes (Multiplier Effect = 1.3)	658	844	642	610	466	420	341	359	89	216	377	636
Multiplier Effect at 1.9	420	651	682	648	442	296	113	204	179	297	357	487
State Employment Changes (Multiplier Effect = 1.9)	938	1,278	1,096	1,042	761	618	416	495	208	414	615	961

State: Maryland High-Differential Scenario							Maryland Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.15	\$0.19	\$0.18	\$0.16	\$0.09	\$0.02	\$0.01	\$0.04	\$0.05	\$0.10	\$0.08	\$0.06
U.S. Refinery GDP Changes	(\$0.08)	(\$0.08)	(\$0.06)	(\$0.05)	(\$0.03)	(\$0.01)	(\$0.02)	(\$0.03)	(\$0.01)	(\$0.04)	(\$0.03)	(\$0.02)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.01	\$0.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.01
U.S. Transportation Sector GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.13	\$0.15	\$0.08	\$0.08	\$0.07	\$0.08	\$0.09	\$0.08	\$0.00	\$0.02	\$0.06	\$0.11
Direct and Indirect State Income Changes	\$0.21	\$0.26	\$0.21	\$0.19	\$0.14	\$0.10	\$0.08	\$0.10	\$0.04	\$0.09	\$0.11	\$0.16
Multiplier Effect at 1.3	\$0.07	\$0.10	\$0.11	\$0.10	\$0.07	\$0.04	\$0.02	\$0.03	\$0.03	\$0.04	\$0.05	\$0.07
State Income Changes (Multiplier Effect = 1.3)	\$0.27	\$0.36	\$0.32	\$0.29	\$0.20	\$0.14	\$0.10	\$0.13	\$0.07	\$0.13	\$0.17	\$0.23
Multiplier Effect at 1.9	\$0.20	\$0.31	\$0.32	\$0.29	\$0.20	\$0.12	\$0.05	\$0.09	\$0.08	\$0.13	\$0.16	\$0.21
State Income Changes (Multiplier Effect = 1.9)	\$0.41	\$0.57	\$0.53	\$0.49	\$0.33	\$0.22	\$0.13	\$0.19	\$0.12	\$0.22	\$0.27	\$0.37
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	177	300	384	344	174	7	15	45	81	133	129	117
U.S. Refinery Employment Changes	14	(23)	(42)	(61)	(30)	4	14	(23)	(42)	(61)	(30)	4
U.S. Import-Export Port Services Employment Changes	11	14	11	15	18	26	12	16	13	16	19	25
U.S. Transportation Sector Employment Changes	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Petroleum Product Consumer Gains Employment Change	1,317	1,525	816	776	708	813	868	822	23	188	580	1,141
Direct and Indirect Employment Changes	1,519	1,816	1,170	1,074	871	850	909	860	76	277	699	1,287
Multiplier Effect at 1.3	673	1,018	1,077	982	656	398	166	299	276	439	529	707
State Employment Changes (Multiplier Effect = 1.3)	2,192	2,834	2,247	2,056	1,527	1,248	1,076	1,159	352	716	1,227	1,994
Multiplier Effect at 1.9	2,020	3,053	3,231	2,945	1,969	1,194	498	896	829	1,318	1,586	2,121
State Employment Changes (Multiplier Effect = 1.9)	3,539	4,870	4,401	4,019	2,839	2,044	1,408	1,756	905	1,595	2,285	3,408

State: Massachusetts High-Differential Scenario							Massachusetts Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.32	\$0.39	\$0.37	\$0.32	\$0.19	\$0.05	\$0.03	\$0.09	\$0.10	\$0.21	\$0.16	\$0.12
U.S. Refinery GDP Changes	(\$0.19)	(\$0.19)	(\$0.13)	(\$0.11)	(\$0.07)	(\$0.02)	(\$0.05)	(\$0.06)	(\$0.03)	(\$0.09)	(\$0.06)	(\$0.04)
U.S. Import-Export Port Service GDP Changes	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
U.S. Transportation Sector GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.16	\$0.19	\$0.10	\$0.10	\$0.09	\$0.10	\$0.11	\$0.10	\$0.00	\$0.02	\$0.07	\$0.14
Direct and Indirect State Income Changes	\$0.30	\$0.39	\$0.35	\$0.32	\$0.22	\$0.14	\$0.10	\$0.13	\$0.08	\$0.15	\$0.18	\$0.23
Multiplier Effect at 1.3	\$0.09	\$0.13	\$0.14	\$0.13	\$0.08	\$0.05	\$0.02	\$0.04	\$0.04	\$0.06	\$0.07	\$0.09
State Income Changes (Multiplier Effect = 1.3)	\$0.39	\$0.53	\$0.49	\$0.44	\$0.30	\$0.19	\$0.12	\$0.17	\$0.12	\$0.21	\$0.25	\$0.32
Multiplier Effect at 1.9	\$0.26	\$0.39	\$0.42	\$0.38	\$0.25	\$0.15	\$0.06	\$0.11	\$0.11	\$0.17	\$0.20	\$0.27
State Income Changes (Multiplier Effect = 1.9)	\$0.56	\$0.79	\$0.77	\$0.70	\$0.47	\$0.29	\$0.15	\$0.25	\$0.19	\$0.32	\$0.38	\$0.50
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	366	620	793	711	359	15	30	94	167	275	267	242
U.S. Refinery Employment Changes	33	(53)	(96)	(141)	(69)	8	33	(53)	(96)	(141)	(69)	8
U.S. Import-Export Port Services Employment Changes	25	29	24	26	36	51	28	33	28	29	37	49
U.S. Transportation Sector Employment Changes	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Petroleum Product Consumer Gains Employment Change	1,633	1,891	1,012	963	878	1,008	1,077	1,019	28	233	720	1,415
Direct and Indirect Employment Changes	2,057	2,488	1,733	1,558	1,204	1,083	1,168	1,093	128	396	955	1,715
Multiplier Effect at 1.3	866	1,312	1,407	1,277	846	496	194	372	367	581	682	893
State Employment Changes (Multiplier Effect = 1.3)	2,923	3,799	3,139	2,835	2,050	1,578	1,363	1,465	495	977	1,637	2,608
Multiplier Effect at 1.9	2,597	3,935	4,220	3,830	2,538	1,488	582	1,117	1,101	1,743	2,046	2,680
State Employment Changes (Multiplier Effect = 1.9)	4,654	6,423	5,952	5,388	3,742	2,570	1,751	2,210	1,229	2,140	3,001	4,395

State: Michigan High-Differential Scenario							Michigan Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.78	\$0.95	\$0.90	\$0.78	\$0.44	\$0.11	\$0.07	\$0.22	\$0.23	\$0.51	\$0.38	\$0.28
U.S. Refinery GDP Changes	(\$0.47)	(\$0.48)	(\$0.32)	(\$0.28)	(\$0.17)	(\$0.05)	(\$0.11)	(\$0.16)	(\$0.07)	(\$0.23)	(\$0.16)	(\$0.09)
U.S. Import-Export Port Service GDP Changes	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02
U.S. Transportation Sector GDP Changes	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.19	\$0.22	\$0.12	\$0.11	\$0.10	\$0.11	\$0.12	\$0.12	\$0.00	\$0.03	\$0.08	\$0.16
Direct and Indirect State Income Changes	\$0.51	\$0.70	\$0.71	\$0.63	\$0.40	\$0.20	\$0.09	\$0.19	\$0.19	\$0.32	\$0.33	\$0.37
Multiplier Effect at 1.3	\$0.11	\$0.17	\$0.18	\$0.17	\$0.11	\$0.06	\$0.02	\$0.04	\$0.05	\$0.08	\$0.09	\$0.11
State Income Changes (Multiplier Effect = 1.3)	\$0.62	\$0.87	\$0.90	\$0.80	\$0.51	\$0.25	\$0.11	\$0.23	\$0.24	\$0.40	\$0.41	\$0.48
Multiplier Effect at 1.9	\$0.34	\$0.51	\$0.55	\$0.50	\$0.32	\$0.17	\$0.06	\$0.13	\$0.15	\$0.24	\$0.26	\$0.32
State Income Changes (Multiplier Effect = 1.9)	\$0.85	\$1.21	\$1.27	\$1.13	\$0.72	\$0.37	\$0.15	\$0.32	\$0.34	\$0.56	\$0.59	\$0.70
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	898	1,509	1,914	1,713	861	36	75	228	404	664	640	577
U.S. Refinery Employment Changes	67	(106)	(193)	(284)	(139)	17	67	(106)	(193)	(284)	(139)	17
U.S. Import-Export Port Services Employment Changes	59	65	58	59	77	97	65	74	69	67	78	93
U.S. Transportation Sector Employment Changes	41	24	39	14	2	(25)	7	2	22	10	8	(16)
U.S. Petroleum Product Consumer Gains Employment Change	1,861	2,156	1,154	1,097	1,001	1,149	1,228	1,162	32	266	821	1,614
Direct and Indirect Employment Changes	2,927	3,649	2,972	2,600	1,802	1,273	1,442	1,360	335	722	1,408	2,285
Multiplier Effect at 1.3	1,125	1,689	1,849	1,665	1,072	569	188	440	499	795	867	1,068
State Employment Changes (Multiplier Effect = 1.3)	4,053	5,338	4,822	4,265	2,874	1,842	1,630	1,800	834	1,516	2,275	3,353
Multiplier Effect at 1.9	3,376	5,066	5,547	4,995	3,216	1,706	563	1,319	1,497	2,384	2,601	3,205
State Employment Changes (Multiplier Effect = 1.9)	6,304	8,715	8,520	7,595	5,018	2,979	2,005	2,679	1,831	3,106	4,009	5,490

State: Minnesota High-Differential Scenario							Minnesota Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.28	\$0.34	\$0.32	\$0.28	\$0.16	\$0.04	\$0.02	\$0.08	\$0.08	\$0.18	\$0.14	\$0.10
U.S. Refinery GDP Changes	(\$0.48)	(\$0.49)	(\$0.33)	(\$0.29)	(\$0.17)	(\$0.05)	(\$0.12)	(\$0.16)	(\$0.07)	(\$0.23)	(\$0.16)	(\$0.09)
U.S. Import-Export Port Service GDP Changes	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
U.S. Transportation Sector GDP Changes	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.13	\$0.15	\$0.08	\$0.08	\$0.07	\$0.08	\$0.09	\$0.08	\$0.00	\$0.02	\$0.06	\$0.11
Direct and Indirect State Income Changes	(\$0.07)	\$0.01	\$0.09	\$0.08	\$0.07	\$0.08	(\$0.00)	(\$0.00)	\$0.02	(\$0.02)	\$0.05	\$0.14
Multiplier Effect at 1.3	\$0.03	\$0.06	\$0.08	\$0.07	\$0.05	\$0.03	\$0.00	\$0.01	\$0.02	\$0.02	\$0.04	\$0.06
State Income Changes (Multiplier Effect = 1.3)	(\$0.04)	\$0.06	\$0.16	\$0.16	\$0.12	\$0.11	\$0.00	\$0.01	\$0.05	\$0.00	\$0.08	\$0.19
Multiplier Effect at 1.9	\$0.08	\$0.17	\$0.23	\$0.21	\$0.14	\$0.09	\$0.01	\$0.04	\$0.06	\$0.07	\$0.11	\$0.17
State Income Changes (Multiplier Effect = 1.9)	\$0.01	\$0.18	\$0.32	\$0.30	\$0.21	\$0.17	\$0.01	\$0.04	\$0.09	\$0.05	\$0.16	\$0.31
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	318	540	690	619	313	13	26	82	146	240	232	210
U.S. Refinery Employment Changes	37	(59)	(108)	(159)	(78)	9	37	(59)	(108)	(159)	(78)	9
U.S. Import-Export Port Services Employment Changes	25	28	25	25	33	41	28	32	29	28	33	40
U.S. Transportation Sector Employment Changes	90	57	100	36	6	(71)	16	4	56	24	22	(44)
U.S. Petroleum Product Consumer Gains Employment Change	1,300	1,506	806	767	699	803	858	812	23	186	573	1,127
Direct and Indirect Employment Changes	1,771	2,072	1,512	1,288	973	795	965	869	146	319	784	1,342
Multiplier Effect at 1.3	259	574	767	706	480	315	48	142	212	246	372	574
State Employment Changes (Multiplier Effect = 1.3)	2,030	2,645	2,279	1,993	1,453	1,110	1,014	1,011	358	565	1,155	1,917
Multiplier Effect at 1.9	776	1,721	2,300	2,117	1,440	945	145	426	636	737	1,115	1,723
State Employment Changes (Multiplier Effect = 1.9)	2,547	3,793	3,812	3,405	2,413	1,740	1,111	1,295	782	1,056	1,899	3,066

State: Mississippi High-Differential Scenario							Mississippi Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.21	\$0.19	\$0.14	\$0.12	\$0.05	\$0.01	\$0.02	\$0.04	\$0.04	\$0.08	\$0.04	\$0.02
U.S. Refinery GDP Changes	(\$0.37)	(\$0.37)	(\$0.25)	(\$0.22)	(\$0.13)	(\$0.04)	(\$0.09)	(\$0.13)	(\$0.05)	(\$0.18)	(\$0.12)	(\$0.07)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Transportation Sector GDP Changes	(\$0.01)	(\$0.00)	(\$0.00)	\$0.01	\$0.00	\$0.00	(\$0.01)	(\$0.00)	(\$0.00)	\$0.01	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.08	\$0.09	\$0.05	\$0.05	\$0.04	\$0.05	\$0.05	\$0.05	\$0.00	\$0.01	\$0.03	\$0.07
Direct and Indirect State Income Changes	(\$0.08)	(\$0.10)	(\$0.06)	(\$0.05)	(\$0.04)	\$0.02	(\$0.03)	(\$0.04)	(\$0.02)	(\$0.08)	(\$0.04)	\$0.02
Multiplier Effect at 1.3	\$0.00	\$0.01	\$0.02	\$0.02	\$0.01	\$0.01	(\$0.00)	\$0.00	\$0.01	\$0.00	\$0.01	\$0.02
State Income Changes (Multiplier Effect = 1.3)	(\$0.08)	(\$0.08)	(\$0.04)	(\$0.03)	(\$0.03)	\$0.03	(\$0.03)	(\$0.04)	(\$0.01)	(\$0.08)	(\$0.03)	\$0.04
Multiplier Effect at 1.9	\$0.01	\$0.03	\$0.06	\$0.06	\$0.03	\$0.03	(\$0.00)	\$0.00	\$0.02	\$0.00	\$0.02	\$0.06
State Income Changes (Multiplier Effect = 1.9)	(\$0.07)	(\$0.06)	(\$0.00)	\$0.01	(\$0.00)	\$0.05	(\$0.03)	(\$0.03)	\$0.00	(\$0.08)	(\$0.02)	\$0.08
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	243	303	294	262	95	3	20	46	62	101	71	49
U.S. Refinery Employment Changes	16	(25)	(45)	(66)	(32)	4	16	(25)	(45)	(66)	(32)	4
U.S. Import-Export Port Services Employment Changes	4	5	4	4	5	7	5	5	5	5	6	7
U.S. Transportation Sector Employment Changes	169	92	142	52	7	(83)	30	6	80	35	28	(52)
U.S. Petroleum Product Consumer Gains Employment Change	773	895	479	455	415	477	510	482	13	110	341	670
Direct and Indirect Employment Changes	1,205	1,269	875	707	491	407	580	515	116	185	413	678
Multiplier Effect at 1.3	39	114	194	188	115	112	(9)	14	55	9	77	197
State Employment Changes (Multiplier Effect = 1.3)	1,244	1,384	1,069	896	606	519	571	528	171	194	490	875
Multiplier Effect at 1.9	117	343	583	565	346	337	(28)	41	166	27	231	592
State Employment Changes (Multiplier Effect = 1.9)	1,322	1,612	1,458	1,272	837	744	553	556	281	212	644	1,269

State: Missouri High-Differential Scenario							Missouri Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.22	\$0.27	\$0.26	\$0.22	\$0.13	\$0.03	\$0.02	\$0.06	\$0.07	\$0.15	\$0.11	\$0.08
U.S. Refinery GDP Changes	(\$0.11)	(\$0.11)	(\$0.07)	(\$0.07)	(\$0.04)	(\$0.01)	(\$0.03)	(\$0.04)	(\$0.02)	(\$0.05)	(\$0.04)	(\$0.02)
U.S. Import-Export Port Service GDP Changes	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
U.S. Transportation Sector GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.15	\$0.17	\$0.09	\$0.09	\$0.08	\$0.09	\$0.10	\$0.09	\$0.00	\$0.02	\$0.06	\$0.13
Direct and Indirect State Income Changes	\$0.26	\$0.33	\$0.28	\$0.25	\$0.18	\$0.12	\$0.09	\$0.12	\$0.06	\$0.12	\$0.14	\$0.19
Multiplier Effect at 1.3	\$0.06	\$0.09	\$0.10	\$0.09	\$0.06	\$0.04	\$0.02	\$0.03	\$0.02	\$0.04	\$0.05	\$0.06
State Income Changes (Multiplier Effect = 1.3)	\$0.33	\$0.43	\$0.38	\$0.34	\$0.23	\$0.15	\$0.11	\$0.15	\$0.08	\$0.16	\$0.19	\$0.26
Multiplier Effect at 1.9	\$0.19	\$0.28	\$0.29	\$0.27	\$0.18	\$0.11	\$0.05	\$0.09	\$0.07	\$0.12	\$0.14	\$0.19
State Income Changes (Multiplier Effect = 1.9)	\$0.46	\$0.62	\$0.57	\$0.52	\$0.35	\$0.22	\$0.14	\$0.21	\$0.13	\$0.24	\$0.29	\$0.38
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	253	429	549	492	249	10	21	65	116	191	185	167
U.S. Refinery Employment Changes	19	(31)	(56)	(82)	(40)	5	19	(31)	(56)	(82)	(40)	5
U.S. Import-Export Port Services Employment Changes	18	20	18	18	23	30	20	23	21	20	24	28
U.S. Transportation Sector Employment Changes	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Petroleum Product Consumer Gains Employment Change	1,473	1,706	913	868	792	909	972	919	26	210	649	1,277
Direct and Indirect Employment Changes	1,763	2,125	1,424	1,296	1,024	954	1,032	976	107	339	818	1,477
Multiplier Effect at 1.3	645	947	976	886	592	356	165	283	248	404	479	632
State Employment Changes (Multiplier Effect = 1.3)	2,409	3,072	2,400	2,183	1,616	1,310	1,196	1,260	355	743	1,297	2,110
Multiplier Effect at 1.9	1,935	2,841	2,929	2,659	1,776	1,068	494	850	743	1,212	1,437	1,896
State Employment Changes (Multiplier Effect = 1.9)	3,699	4,965	4,353	3,956	2,800	2,022	1,526	1,827	850	1,551	2,255	3,374

State: Montana High-Differential Scenario							Montana Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.14	\$0.38	\$0.44	\$0.33	\$0.16	\$0.01	\$0.01	\$0.09	\$0.11	\$0.22	\$0.13	\$0.04
U.S. Refinery GDP Changes	(\$0.18)	(\$0.19)	(\$0.12)	(\$0.11)	(\$0.07)	(\$0.02)	(\$0.04)	(\$0.06)	(\$0.03)	(\$0.09)	(\$0.06)	(\$0.03)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Transportation Sector GDP Changes	(\$0.00)	(\$0.00)	(\$0.00)	\$0.01	\$0.00	\$0.00	(\$0.00)	(\$0.01)	(\$0.00)	\$0.01	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.03	\$0.04	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.00	\$0.00	\$0.01	\$0.03
Direct and Indirect State Income Changes	(\$0.02)	\$0.22	\$0.34	\$0.25	\$0.11	\$0.02	(\$0.02)	\$0.04	\$0.09	\$0.14	\$0.09	\$0.03
Multiplier Effect at 1.3	\$0.00	\$0.04	\$0.05	\$0.04	\$0.02	\$0.01	(\$0.00)	\$0.01	\$0.01	\$0.02	\$0.02	\$0.01
State Income Changes (Multiplier Effect = 1.3)	(\$0.01)	\$0.26	\$0.39	\$0.29	\$0.13	\$0.02	(\$0.02)	\$0.05	\$0.10	\$0.16	\$0.11	\$0.04
Multiplier Effect at 1.9	\$0.01	\$0.11	\$0.15	\$0.12	\$0.06	\$0.02	(\$0.00)	\$0.02	\$0.04	\$0.06	\$0.05	\$0.03
State Income Changes (Multiplier Effect = 1.9)	(\$0.01)	\$0.33	\$0.49	\$0.37	\$0.17	\$0.03	(\$0.02)	\$0.06	\$0.12	\$0.20	\$0.14	\$0.06
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	157	599	938	728	301	5	13	90	198	282	224	79
U.S. Refinery Employment Changes	7	(11)	(20)	(29)	(14)	2	7	(11)	(20)	(29)	(14)	2
U.S. Import-Export Port Services Employment Changes	1	1	1	1	1	2	1	1	1	1	1	2
U.S. Transportation Sector Employment Changes	102	111	227	74	10	(69)	18	7	128	50	39	(43)
U.S. Petroleum Product Consumer Gains Employment Change	327	379	203	193	176	202	216	204	6	47	144	284
Direct and Indirect Employment Changes	594	1,080	1,349	967	475	141	255	293	313	351	395	323
Multiplier Effect at 1.3	30	355	503	393	192	52	(10)	68	130	207	155	103
State Employment Changes (Multiplier Effect = 1.3)	624	1,435	1,852	1,360	667	193	245	361	444	557	550	426
Multiplier Effect at 1.9	91	1,064	1,509	1,178	576	157	(30)	205	391	620	466	308
State Employment Changes (Multiplier Effect = 1.9)	685	2,144	2,858	2,145	1,051	298	225	497	704	971	861	632

State: Nebraska High-Differential Scenario							Nebraska Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.07	\$0.08	\$0.08	\$0.07	\$0.04	\$0.01	\$0.01	\$0.02	\$0.02	\$0.04	\$0.03	\$0.02
U.S. Refinery GDP Changes	(\$0.04)	(\$0.04)	(\$0.02)	(\$0.02)	(\$0.01)	(\$0.00)	(\$0.01)	(\$0.01)	(\$0.01)	(\$0.02)	(\$0.01)	(\$0.01)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Transportation Sector GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.06	\$0.07	\$0.04	\$0.04	\$0.03	\$0.04	\$0.04	\$0.04	\$0.00	\$0.01	\$0.03	\$0.05
Direct and Indirect State Income Changes	\$0.09	\$0.12	\$0.09	\$0.08	\$0.06	\$0.05	\$0.04	\$0.05	\$0.02	\$0.04	\$0.05	\$0.07
Multiplier Effect at 1.3	\$0.02	\$0.03	\$0.03	\$0.03	\$0.02	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.02	\$0.02
State Income Changes (Multiplier Effect = 1.3)	\$0.11	\$0.15	\$0.12	\$0.11	\$0.08	\$0.06	\$0.04	\$0.06	\$0.03	\$0.05	\$0.07	\$0.09
Multiplier Effect at 1.9	\$0.07	\$0.10	\$0.10	\$0.09	\$0.06	\$0.04	\$0.02	\$0.03	\$0.02	\$0.04	\$0.05	\$0.07
State Income Changes (Multiplier Effect = 1.9)	\$0.16	\$0.21	\$0.19	\$0.17	\$0.12	\$0.08	\$0.06	\$0.08	\$0.04	\$0.08	\$0.10	\$0.14
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	76	129	165	148	75	3	6	19	35	57	56	50
U.S. Refinery Employment Changes	6	(10)	(19)	(27)	(13)	2	6	(10)	(19)	(27)	(13)	2
U.S. Import-Export Port Services Employment Changes	6	7	6	6	8	10	7	8	7	7	8	10
U.S. Transportation Sector Employment Changes	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Petroleum Product Consumer Gains Employment Change	608	705	377	359	327	376	401	380	11	87	268	527
Direct and Indirect Employment Changes	697	830	529	485	396	390	421	397	34	124	318	589
Multiplier Effect at 1.3	219	320	322	293	199	126	63	100	80	130	161	219
State Employment Changes (Multiplier Effect = 1.3)	916	1,150	851	778	595	516	484	497	114	254	479	807
Multiplier Effect at 1.9	658	959	967	880	597	377	190	301	239	391	482	656
State Employment Changes (Multiplier Effect = 1.9)	1,355	1,789	1,496	1,365	993	767	610	698	273	514	800	1,245

State: Nevada							Nevada					
High-Differential Scenario							Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.02	\$0.02	\$0.02	\$0.02	\$0.01	\$0.00	\$0.00	\$0.00	\$0.01	\$0.01	\$0.01	\$0.01
U.S. Refinery GDP Changes	(\$0.01)	(\$0.01)	(\$0.01)	(\$0.01)	(\$0.01)	(\$0.00)	(\$0.00)	(\$0.00)	(\$0.00)	(\$0.01)	(\$0.00)	(\$0.00)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Transportation Sector GDP Changes	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.05	\$0.06	\$0.03	\$0.03	\$0.03	\$0.03	\$0.03	\$0.03	\$0.00	\$0.01	\$0.02	\$0.05
Direct and Indirect State Income Changes	\$0.06	\$0.07	\$0.04	\$0.04	\$0.03	\$0.03	\$0.03	\$0.03	\$0.00	\$0.01	\$0.03	\$0.05
Multiplier Effect at 1.3	\$0.02	\$0.03	\$0.03	\$0.03	\$0.02	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.02	\$0.02
State Income Changes (Multiplier Effect = 1.3)	\$0.08	\$0.10	\$0.08	\$0.07	\$0.06	\$0.05	\$0.04	\$0.04	\$0.01	\$0.03	\$0.04	\$0.07
Multiplier Effect at 1.9	\$0.06	\$0.10	\$0.10	\$0.09	\$0.06	\$0.04	\$0.02	\$0.03	\$0.03	\$0.04	\$0.05	\$0.07
State Income Changes (Multiplier Effect = 1.9)	\$0.12	\$0.17	\$0.15	\$0.13	\$0.10	\$0.08	\$0.05	\$0.06	\$0.03	\$0.05	\$0.08	\$0.12
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	20	34	44	39	20	1	2	5	9	15	15	13
U.S. Refinery Employment Changes	2	(4)	(6)	(9)	(5)	1	2	(4)	(6)	(9)	(5)	1
U.S. Import-Export Port Services Employment Changes	2	2	2	2	3	3	2	3	2	2	3	3
U.S. Transportation Sector Employment Changes	1	0	1	0	0	(0)	0	0	0	0	0	(0)
U.S. Petroleum Product Consumer Gains Employment Change	529	613	328	312	285	327	349	330	9	76	233	459
Direct and Indirect Employment Changes	554	646	368	344	302	331	355	335	15	84	246	476
Multiplier Effect at 1.3	214	325	337	308	210	137	63	101	84	131	169	237
State Employment Changes (Multiplier Effect = 1.3)	768	971	705	652	513	468	418	436	99	215	415	713
Multiplier Effect at 1.9	643	974	1,010	925	631	410	189	304	252	394	507	711
State Employment Changes (Multiplier Effect = 1.9)	1,197	1,620	1,378	1,269	934	741	544	639	266	478	753	1,187

State: New Hampshire							New Hampshire					
High-Differential Scenario							Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.05	\$0.06	\$0.06	\$0.05	\$0.03	\$0.01	\$0.00	\$0.01	\$0.01	\$0.03	\$0.02	\$0.02
U.S. Refinery GDP Changes	(\$0.03)	(\$0.03)	(\$0.02)	(\$0.02)	(\$0.01)	(\$0.00)	(\$0.01)	(\$0.01)	(\$0.00)	(\$0.02)	(\$0.01)	(\$0.01)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Transportation Sector GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.04	\$0.04	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.00	\$0.01	\$0.02	\$0.03
Direct and Indirect State Income Changes	\$0.05	\$0.07	\$0.06	\$0.05	\$0.04	\$0.03	\$0.02	\$0.03	\$0.01	\$0.02	\$0.03	\$0.04
Multiplier Effect at 1.3	\$0.01	\$0.02	\$0.02	\$0.02	\$0.01	\$0.01	\$0.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.02
State Income Changes (Multiplier Effect = 1.3)	\$0.07	\$0.09	\$0.08	\$0.07	\$0.05	\$0.04	\$0.02	\$0.03	\$0.02	\$0.03	\$0.04	\$0.06
Multiplier Effect at 1.9	\$0.04	\$0.07	\$0.07	\$0.06	\$0.04	\$0.03	\$0.01	\$0.02	\$0.02	\$0.03	\$0.04	\$0.05
State Income Changes (Multiplier Effect = 1.9)	\$0.10	\$0.14	\$0.13	\$0.12	\$0.08	\$0.05	\$0.03	\$0.05	\$0.03	\$0.05	\$0.07	\$0.09
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	54	92	118	106	53	2	5	14	25	41	40	36
U.S. Refinery Employment Changes	6	(9)	(16)	(24)	(12)	1	6	(9)	(16)	(24)	(12)	1
U.S. Import-Export Port Services Employment Changes	4	5	4	4	6	9	5	6	5	5	6	8
U.S. Transportation Sector Employment Changes	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Petroleum Product Consumer Gains Employment Change	351	407	218	207	189	217	232	219	6	50	155	304
Direct and Indirect Employment Changes	415	495	323	293	237	229	246	230	20	72	189	350
Multiplier Effect at 1.3	150	226	238	217	146	89	38	67	61	96	117	158
State Employment Changes (Multiplier Effect = 1.3)	565	721	561	510	382	318	285	297	81	168	306	508
Multiplier Effect at 1.9	449	678	714	650	437	268	115	202	183	288	351	474
State Employment Changes (Multiplier Effect = 1.9)	864	1,172	1,037	943	673	497	362	432	202	360	540	824

State: New Jersey High-Differential Scenario							New Jersey Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.27	\$0.34	\$0.32	\$0.28	\$0.16	\$0.04	\$0.02	\$0.08	\$0.08	\$0.18	\$0.14	\$0.10
U.S. Refinery GDP Changes	(\$0.58)	(\$0.59)	(\$0.39)	(\$0.35)	(\$0.21)	(\$0.06)	(\$0.14)	(\$0.20)	(\$0.08)	(\$0.28)	(\$0.19)	(\$0.11)
U.S. Import-Export Port Service GDP Changes	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
U.S. Transportation Sector GDP Changes	(\$0.00)	(\$0.00)	(\$0.00)	\$0.01	\$0.00	\$0.00	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.21	\$0.25	\$0.13	\$0.12	\$0.11	\$0.13	\$0.14	\$0.13	\$0.00	\$0.03	\$0.09	\$0.18
Direct and Indirect State Income Changes	(\$0.09)	(\$0.00)	\$0.07	\$0.07	\$0.08	\$0.12	\$0.02	\$0.01	\$0.01	(\$0.06)	\$0.05	\$0.19
Multiplier Effect at 1.3	\$0.06	\$0.11	\$0.14	\$0.13	\$0.09	\$0.06	\$0.01	\$0.03	\$0.04	\$0.05	\$0.07	\$0.10
State Income Changes (Multiplier Effect = 1.3)	(\$0.03)	\$0.11	\$0.21	\$0.20	\$0.16	\$0.17	\$0.04	\$0.04	\$0.05	(\$0.01)	\$0.12	\$0.29
Multiplier Effect at 1.9	\$0.17	\$0.33	\$0.41	\$0.38	\$0.26	\$0.17	\$0.04	\$0.09	\$0.11	\$0.14	\$0.20	\$0.31
State Income Changes (Multiplier Effect = 1.9)	\$0.08	\$0.33	\$0.48	\$0.45	\$0.34	\$0.29	\$0.06	\$0.10	\$0.12	\$0.08	\$0.25	\$0.50
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	315	534	683	612	309	13	26	81	144	237	230	208
U.S. Refinery Employment Changes	39	(61)	(111)	(164)	(80)	10	39	(61)	(111)	(164)	(80)	10
U.S. Import-Export Port Services Employment Changes	23	25	22	23	30	37	25	29	27	26	30	36
U.S. Transportation Sector Employment Changes	121	77	134	49	8	(96)	22	5	75	33	30	(59)
U.S. Petroleum Product Consumer Gains Employment Change	2,118	2,453	1,313	1,248	1,138	1,307	1,397	1,322	37	302	933	1,836
Direct and Indirect Employment Changes	2,615	3,028	2,040	1,768	1,405	1,271	1,508	1,375	172	434	1,143	2,030
Multiplier Effect at 1.3	562	1,107	1,381	1,273	869	576	133	297	370	461	678	1,033
State Employment Changes (Multiplier Effect = 1.3)	3,177	4,134	3,421	3,041	2,274	1,847	1,642	1,672	542	895	1,822	3,064
Multiplier Effect at 1.9	1,687	3,320	4,144	3,819	2,607	1,727	399	892	1,111	1,384	2,035	3,100
State Employment Changes (Multiplier Effect = 1.9)	4,301	6,347	6,184	5,587	4,012	2,998	1,908	2,267	1,283	1,818	3,179	5,130

State: New Mexico High-Differential Scenario							New Mexico Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.44	\$0.49	\$0.49	\$0.49	\$0.31	\$0.09	\$0.04	\$0.11	\$0.13	\$0.32	\$0.27	\$0.23
U.S. Refinery GDP Changes	(\$0.13)	(\$0.14)	(\$0.09)	(\$0.08)	(\$0.05)	(\$0.02)	(\$0.03)	(\$0.05)	(\$0.02)	(\$0.07)	(\$0.04)	(\$0.03)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Transportation Sector GDP Changes	(\$0.01)	(\$0.00)	(\$0.00)	\$0.01	\$0.00	\$0.00	(\$0.01)	(\$0.01)	(\$0.00)	\$0.01	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.05	\$0.06	\$0.03	\$0.03	\$0.03	\$0.03	\$0.04	\$0.03	\$0.00	\$0.01	\$0.02	\$0.05
Direct and Indirect State Income Changes	\$0.35	\$0.41	\$0.43	\$0.45	\$0.30	\$0.11	\$0.03	\$0.09	\$0.11	\$0.27	\$0.25	\$0.26
Multiplier Effect at 1.3	\$0.05	\$0.07	\$0.07	\$0.07	\$0.05	\$0.02	\$0.01	\$0.02	\$0.02	\$0.04	\$0.04	\$0.04
State Income Changes (Multiplier Effect = 1.3)	\$0.40	\$0.48	\$0.50	\$0.52	\$0.34	\$0.13	\$0.04	\$0.11	\$0.12	\$0.31	\$0.29	\$0.30
Multiplier Effect at 1.9	\$0.16	\$0.20	\$0.21	\$0.22	\$0.14	\$0.06	\$0.02	\$0.05	\$0.05	\$0.12	\$0.12	\$0.13
State Income Changes (Multiplier Effect = 1.9)	\$0.51	\$0.61	\$0.64	\$0.67	\$0.44	\$0.17	\$0.05	\$0.14	\$0.16	\$0.39	\$0.37	\$0.39
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	506	780	1,038	1,068	600	30	42	118	219	414	446	482
U.S. Refinery Employment Changes	7	(11)	(19)	(28)	(14)	2	7	(11)	(19)	(28)	(14)	2
U.S. Import-Export Port Services Employment Changes	3	3	3	3	3	4	3	3	3	3	4	4
U.S. Transportation Sector Employment Changes	208	121	219	91	16	(231)	38	8	123	61	61	(143)
U.S. Petroleum Product Consumer Gains Employment Change	534	619	331	315	287	330	353	334	9	76	236	463
Direct and Indirect Employment Changes	1,258	1,513	1,571	1,448	893	135	442	452	336	526	732	808
Multiplier Effect at 1.3	526	664	714	723	473	201	56	156	182	403	394	435
State Employment Changes (Multiplier Effect = 1.3)	1,784	2,177	2,285	2,171	1,366	336	498	608	517	928	1,126	1,244
Multiplier Effect at 1.9	1,577	1,993	2,142	2,169	1,419	604	167	469	545	1,208	1,182	1,306
State Employment Changes (Multiplier Effect = 1.9)	2,835	3,506	3,714	3,617	2,312	738	609	921	881	1,734	1,914	2,114

State: New York High-Differential Scenario							New York Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.74	\$0.90	\$0.86	\$0.75	\$0.43	\$0.11	\$0.06	\$0.21	\$0.22	\$0.49	\$0.37	\$0.27
U.S. Refinery GDP Changes	(\$0.44)	(\$0.45)	(\$0.30)	(\$0.27)	(\$0.16)	(\$0.05)	(\$0.11)	(\$0.15)	(\$0.06)	(\$0.22)	(\$0.15)	(\$0.08)
U.S. Import-Export Port Service GDP Changes	\$0.01	\$0.02	\$0.02	\$0.05	\$0.05	\$0.06	\$0.01	\$0.02	\$0.02	\$0.05	\$0.04	\$0.05
U.S. Transportation Sector GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.38	\$0.44	\$0.23	\$0.22	\$0.20	\$0.23	\$0.25	\$0.24	\$0.01	\$0.05	\$0.17	\$0.33
Direct and Indirect State Income Changes	\$0.69	\$0.92	\$0.82	\$0.76	\$0.52	\$0.35	\$0.22	\$0.32	\$0.19	\$0.37	\$0.43	\$0.57
Multiplier Effect at 1.3	\$0.23	\$0.35	\$0.38	\$0.35	\$0.23	\$0.14	\$0.05	\$0.10	\$0.10	\$0.16	\$0.18	\$0.24
State Income Changes (Multiplier Effect = 1.3)	\$0.91	\$1.26	\$1.20	\$1.11	\$0.75	\$0.48	\$0.27	\$0.41	\$0.29	\$0.53	\$0.61	\$0.81
Multiplier Effect at 1.9	\$0.68	\$1.04	\$1.13	\$1.04	\$0.69	\$0.41	\$0.15	\$0.29	\$0.30	\$0.48	\$0.55	\$0.73
State Income Changes (Multiplier Effect = 1.9)	\$1.36	\$1.96	\$1.95	\$1.80	\$1.21	\$0.76	\$0.36	\$0.61	\$0.49	\$0.85	\$0.98	\$1.29
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	849	1,440	1,841	1,650	834	35	71	217	389	639	620	561
U.S. Refinery Employment Changes	78	(123)	(225)	(331)	(161)	20	78	(123)	(225)	(331)	(161)	20
U.S. Import-Export Port Services Employment Changes	43	91	68	146	156	240	47	104	81	165	160	231
U.S. Transportation Sector Employment Changes	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Petroleum Product Consumer Gains Employment Change	3,771	4,368	2,338	2,223	2,027	2,328	2,488	2,354	66	539	1,662	3,269
Direct and Indirect Employment Changes	4,741	5,776	4,021	3,688	2,856	2,623	2,683	2,552	310	1,011	2,280	4,080
Multiplier Effect at 1.3	2,260	3,481	3,776	3,461	2,292	1,356	484	979	997	1,587	1,847	2,417
State Employment Changes (Multiplier Effect = 1.3)	7,002	9,257	7,798	7,149	5,149	3,979	3,168	3,531	1,308	2,598	4,127	6,498
Multiplier Effect at 1.9	6,781	10,443	11,329	10,384	6,877	4,068	1,453	2,937	2,991	4,762	5,541	7,252
State Employment Changes (Multiplier Effect = 1.9)	11,522	16,219	15,350	14,071	9,733	6,691	4,136	5,489	3,302	5,773	7,821	11,332

State: North Carolina High-Differential Scenario							North Carolina Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.30	\$0.37	\$0.35	\$0.31	\$0.18	\$0.04	\$0.03	\$0.09	\$0.09	\$0.20	\$0.15	\$0.11
U.S. Refinery GDP Changes	(\$0.22)	(\$0.22)	(\$0.15)	(\$0.13)	(\$0.08)	(\$0.02)	(\$0.05)	(\$0.07)	(\$0.03)	(\$0.11)	(\$0.07)	(\$0.04)
U.S. Import-Export Port Service GDP Changes	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
U.S. Transportation Sector GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.19	\$0.22	\$0.12	\$0.11	\$0.10	\$0.12	\$0.13	\$0.12	\$0.00	\$0.03	\$0.08	\$0.16
Direct and Indirect State Income Changes	\$0.28	\$0.38	\$0.33	\$0.30	\$0.21	\$0.15	\$0.11	\$0.14	\$0.07	\$0.13	\$0.17	\$0.25
Multiplier Effect at 1.3	\$0.08	\$0.13	\$0.14	\$0.12	\$0.08	\$0.05	\$0.02	\$0.04	\$0.04	\$0.06	\$0.07	\$0.09
State Income Changes (Multiplier Effect = 1.3)	\$0.37	\$0.51	\$0.47	\$0.42	\$0.30	\$0.20	\$0.13	\$0.18	\$0.11	\$0.19	\$0.24	\$0.34
Multiplier Effect at 1.9	\$0.25	\$0.38	\$0.41	\$0.37	\$0.25	\$0.15	\$0.06	\$0.11	\$0.11	\$0.17	\$0.20	\$0.27
State Income Changes (Multiplier Effect = 1.9)	\$0.53	\$0.76	\$0.74	\$0.67	\$0.46	\$0.30	\$0.17	\$0.25	\$0.18	\$0.30	\$0.38	\$0.52
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	348	590	755	676	342	14	29	89	159	262	254	230
U.S. Refinery Employment Changes	39	(61)	(112)	(165)	(80)	10	39	(61)	(112)	(165)	(80)	10
U.S. Import-Export Port Services Employment Changes	31	35	30	32	44	61	34	40	36	37	45	58
U.S. Transportation Sector Employment Changes	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Petroleum Product Consumer Gains Employment Change	1,901	2,202	1,178	1,121	1,022	1,174	1,254	1,187	33	272	838	1,648
Direct and Indirect Employment Changes	2,319	2,767	1,851	1,665	1,328	1,258	1,356	1,255	116	406	1,057	1,946
Multiplier Effect at 1.3	838	1,280	1,369	1,245	834	507	206	374	356	553	671	901
State Employment Changes (Multiplier Effect = 1.3)	3,157	4,046	3,220	2,911	2,162	1,765	1,562	1,629	472	958	1,728	2,847
Multiplier Effect at 1.9	2,513	3,839	4,107	3,736	2,503	1,522	617	1,122	1,067	1,658	2,013	2,704
State Employment Changes (Multiplier Effect = 1.9)	4,832	6,606	5,959	5,402	3,831	2,780	1,973	2,377	1,183	2,063	3,070	4,650

State: North Dakota High-Differential Scenario							North Dakota Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.43	\$2.73	\$3.56	\$2.74	\$1.30	\$0.12	\$0.04	\$0.63	\$0.92	\$1.77	\$1.12	\$0.30
U.S. Refinery GDP Changes	(\$0.09)	(\$0.09)	(\$0.06)	(\$0.05)	(\$0.03)	(\$0.01)	(\$0.02)	(\$0.03)	(\$0.01)	(\$0.04)	(\$0.03)	(\$0.02)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Transportation Sector GDP Changes	(\$0.01)	(\$0.02)	(\$0.00)	\$0.06	\$0.02	\$0.00	(\$0.01)	(\$0.03)	(\$0.02)	\$0.05	\$0.01	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.04	\$0.05	\$0.03	\$0.03	\$0.02	\$0.03	\$0.03	\$0.03	\$0.00	\$0.01	\$0.02	\$0.04
Direct and Indirect State Income Changes	\$0.38	\$2.67	\$3.52	\$2.77	\$1.31	\$0.14	\$0.04	\$0.59	\$0.89	\$1.78	\$1.12	\$0.32
Multiplier Effect at 1.3	\$0.05	\$0.33	\$0.43	\$0.34	\$0.16	\$0.02	\$0.01	\$0.07	\$0.11	\$0.22	\$0.14	\$0.04
State Income Changes (Multiplier Effect = 1.3)	\$0.43	\$3.00	\$3.95	\$3.11	\$1.48	\$0.16	\$0.04	\$0.67	\$1.00	\$2.00	\$1.26	\$0.37
Multiplier Effect at 1.9	\$0.15	\$0.98	\$1.29	\$1.02	\$0.49	\$0.06	\$0.02	\$0.22	\$0.33	\$0.65	\$0.42	\$0.13
State Income Changes (Multiplier Effect = 1.9)	\$0.53	\$3.65	\$4.81	\$3.79	\$1.80	\$0.19	\$0.05	\$0.81	\$1.22	\$2.43	\$1.54	\$0.46
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	495	4,346	7,581	5,988	2,529	38	41	656	1,601	2,320	1,879	614
U.S. Refinery Employment Changes	7	(10)	(19)	(28)	(14)	2	7	(10)	(19)	(28)	(14)	2
U.S. Import-Export Port Services Employment Changes	4	5	4	4	5	7	5	5	5	5	6	7
U.S. Transportation Sector Employment Changes	188	611	1,454	467	61	(278)	34	40	819	313	239	(172)
U.S. Petroleum Product Consumer Gains Employment Change	431	499	267	254	232	266	284	269	8	62	190	374
Direct and Indirect Employment Changes	1,125	5,451	9,287	6,686	2,813	35	371	960	2,414	2,672	2,300	825
Multiplier Effect at 1.3	498	3,277	4,309	3,396	1,625	192	52	730	1,091	2,172	1,389	441
State Employment Changes (Multiplier Effect = 1.3)	1,623	8,728	13,597	10,082	4,439	227	423	1,690	3,505	4,844	3,689	1,266
Multiplier Effect at 1.9	1,495	9,830	12,928	10,189	4,876	576	156	2,190	3,274	6,516	4,168	1,324
State Employment Changes (Multiplier Effect = 1.9)	2,620	15,281	22,215	16,875	7,689	611	527	3,151	5,688	9,187	6,467	2,149

State: Ohio High-Differential Scenario							Ohio Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$1.87	\$2.29	\$2.20	\$1.94	\$1.16	\$0.32	\$0.16	\$0.53	\$0.57	\$1.26	\$1.00	\$0.83
U.S. Refinery GDP Changes	(\$1.00)	(\$1.02)	(\$0.68)	(\$0.60)	(\$0.36)	(\$0.11)	(\$0.24)	(\$0.34)	(\$0.14)	(\$0.49)	(\$0.33)	(\$0.19)
U.S. Import-Export Port Service GDP Changes	\$0.02	\$0.02	\$0.03	\$0.03	\$0.03	\$0.03	\$0.02	\$0.02	\$0.03	\$0.03	\$0.03	\$0.03
U.S. Transportation Sector GDP Changes	(\$0.01)	(\$0.00)	(\$0.00)	\$0.01	\$0.00	\$0.00	(\$0.01)	(\$0.00)	(\$0.00)	\$0.01	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.25	\$0.29	\$0.16	\$0.15	\$0.14	\$0.16	\$0.17	\$0.16	\$0.00	\$0.04	\$0.11	\$0.22
Direct and Indirect State Income Changes	\$1.14	\$1.59	\$1.70	\$1.52	\$0.97	\$0.40	\$0.10	\$0.36	\$0.46	\$0.84	\$0.81	\$0.89
Multiplier Effect at 1.3	\$0.20	\$0.29	\$0.33	\$0.29	\$0.19	\$0.09	\$0.02	\$0.07	\$0.09	\$0.15	\$0.15	\$0.18
State Income Changes (Multiplier Effect = 1.3)	\$1.34	\$1.88	\$2.02	\$1.81	\$1.16	\$0.49	\$0.12	\$0.43	\$0.54	\$0.98	\$0.96	\$1.07
Multiplier Effect at 1.9	\$0.60	\$0.88	\$0.98	\$0.88	\$0.57	\$0.27	\$0.07	\$0.21	\$0.26	\$0.45	\$0.46	\$0.55
State Income Changes (Multiplier Effect = 1.9)	\$1.74	\$2.47	\$2.68	\$2.40	\$1.54	\$0.67	\$0.17	\$0.57	\$0.72	\$1.28	\$1.27	\$1.44
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	2,154	3,652	4,685	4,244	2,252	105	179	552	989	1,644	1,673	1,702
U.S. Refinery Employment Changes	105	(167)	(305)	(448)	(218)	26	105	(167)	(305)	(448)	(218)	26
U.S. Import-Export Port Services Employment Changes	84	92	82	84	108	137	92	105	98	95	111	132
U.S. Transportation Sector Employment Changes	148	94	166	64	13	(242)	27	6	94	43	49	(150)
U.S. Petroleum Product Consumer Gains Employment Change	2,513	2,911	1,558	1,482	1,351	1,551	1,658	1,569	44	359	1,108	2,178
Direct and Indirect Employment Changes	5,004	6,582	6,186	5,426	3,505	1,578	2,061	2,064	920	1,693	2,722	3,889
Multiplier Effect at 1.3	1,993	2,939	3,254	2,935	1,893	889	219	693	883	1,498	1,547	1,825
State Employment Changes (Multiplier Effect = 1.3)	6,997	9,521	9,440	8,360	5,398	2,467	2,279	2,757	1,802	3,191	4,269	5,714
Multiplier Effect at 1.9	5,979	8,816	9,762	8,804	5,678	2,668	656	2,078	2,648	4,495	4,640	5,475
State Employment Changes (Multiplier Effect = 1.9)	10,983	15,398	15,948	14,229	9,184	4,246	2,717	4,143	3,568	6,188	7,363	9,364

State: Oklahoma							Oklahoma					
High-Differential Scenario							Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.68	\$0.70	\$0.66	\$0.70	\$0.54	\$0.17	\$0.06	\$0.16	\$0.17	\$0.46	\$0.46	\$0.45
U.S. Refinery GDP Changes	(\$0.64)	(\$0.65)	(\$0.43)	(\$0.38)	(\$0.23)	(\$0.07)	(\$0.16)	(\$0.22)	(\$0.09)	(\$0.31)	(\$0.21)	(\$0.12)
U.S. Import-Export Port Service GDP Changes	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
U.S. Transportation Sector GDP Changes	(\$0.01)	(\$0.00)	(\$0.00)	\$0.01	\$0.01	\$0.00	(\$0.01)	(\$0.01)	(\$0.00)	\$0.01	\$0.01	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.11	\$0.13	\$0.07	\$0.06	\$0.06	\$0.07	\$0.07	\$0.07	\$0.00	\$0.02	\$0.05	\$0.09
Direct and Indirect State Income Changes	\$0.15	\$0.17	\$0.30	\$0.41	\$0.39	\$0.18	(\$0.03)	\$0.01	\$0.09	\$0.18	\$0.31	\$0.43
Multiplier Effect at 1.3	\$0.04	\$0.05	\$0.07	\$0.08	\$0.07	\$0.03	(\$0.00)	\$0.01	\$0.02	\$0.04	\$0.06	\$0.08
State Income Changes (Multiplier Effect = 1.3)	\$0.19	\$0.23	\$0.37	\$0.49	\$0.46	\$0.22	(\$0.03)	\$0.02	\$0.11	\$0.22	\$0.37	\$0.51
Multiplier Effect at 1.9	\$0.11	\$0.16	\$0.22	\$0.25	\$0.21	\$0.10	(\$0.00)	\$0.03	\$0.06	\$0.11	\$0.17	\$0.23
State Income Changes (Multiplier Effect = 1.9)	\$0.26	\$0.34	\$0.52	\$0.66	\$0.59	\$0.29	(\$0.03)	\$0.04	\$0.15	\$0.29	\$0.48	\$0.66
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	785	1,111	1,400	1,541	1,048	57	65	168	296	597	779	917
U.S. Refinery Employment Changes	43	(67)	(123)	(181)	(88)	11	43	(67)	(123)	(181)	(88)	11
U.S. Import-Export Port Services Employment Changes	25	27	25	25	32	41	28	31	29	28	33	39
U.S. Transportation Sector Employment Changes	291	154	264	119	25	(409)	52	10	149	80	98	(253)
U.S. Petroleum Product Consumer Gains Employment Change	1,082	1,253	671	638	582	668	714	675	19	155	477	938
Direct and Indirect Employment Changes	2,225	2,478	2,236	2,142	1,599	367	901	817	370	678	1,299	1,652
Multiplier Effect at 1.3	379	543	748	845	697	350	(5)	95	210	375	563	765
State Employment Changes (Multiplier Effect = 1.3)	2,604	3,021	2,984	2,987	2,296	717	897	912	580	1,053	1,862	2,417
Multiplier Effect at 1.9	1,136	1,629	2,245	2,536	2,090	1,050	(14)	284	631	1,124	1,690	2,294
State Employment Changes (Multiplier Effect = 1.9)	3,362	4,107	4,481	4,678	3,689	1,417	887	1,101	1,001	1,802	2,989	3,946

State: Oregon							Oregon					
High-Differential Scenario							Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.19	\$0.23	\$0.22	\$0.19	\$0.11	\$0.03	\$0.02	\$0.05	\$0.06	\$0.13	\$0.10	\$0.07
U.S. Refinery GDP Changes	(\$0.10)	(\$0.10)	(\$0.06)	(\$0.06)	(\$0.03)	(\$0.01)	(\$0.02)	(\$0.03)	(\$0.01)	(\$0.05)	(\$0.03)	(\$0.02)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.01	\$0.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.01
U.S. Transportation Sector GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.08	\$0.10	\$0.05	\$0.05	\$0.05	\$0.05	\$0.06	\$0.05	\$0.00	\$0.01	\$0.04	\$0.07
Direct and Indirect State Income Changes	\$0.18	\$0.24	\$0.21	\$0.19	\$0.13	\$0.07	\$0.05	\$0.08	\$0.05	\$0.10	\$0.11	\$0.13
Multiplier Effect at 1.3	\$0.04	\$0.06	\$0.07	\$0.06	\$0.04	\$0.02	\$0.01	\$0.02	\$0.02	\$0.03	\$0.03	\$0.04
State Income Changes (Multiplier Effect = 1.3)	\$0.22	\$0.30	\$0.28	\$0.25	\$0.17	\$0.10	\$0.06	\$0.09	\$0.07	\$0.12	\$0.14	\$0.17
Multiplier Effect at 1.9	\$0.13	\$0.19	\$0.20	\$0.18	\$0.12	\$0.07	\$0.03	\$0.05	\$0.05	\$0.08	\$0.10	\$0.12
State Income Changes (Multiplier Effect = 1.9)	\$0.31	\$0.43	\$0.41	\$0.37	\$0.25	\$0.14	\$0.08	\$0.13	\$0.10	\$0.18	\$0.20	\$0.25
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	218	370	474	424	215	9	18	56	100	164	159	144
U.S. Refinery Employment Changes	17	(27)	(49)	(72)	(35)	4	17	(27)	(49)	(72)	(35)	4
U.S. Import-Export Port Services Employment Changes	13	15	12	13	18	26	14	17	15	15	19	25
U.S. Transportation Sector Employment Changes	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Petroleum Product Consumer Gains Employment Change	839	971	520	494	451	518	553	523	15	120	370	727
Direct and Indirect Employment Changes	1,087	1,330	957	861	649	557	602	570	81	228	513	901
Multiplier Effect at 1.3	426	629	660	597	394	226	95	179	171	279	319	408
State Employment Changes (Multiplier Effect = 1.3)	1,513	1,958	1,617	1,458	1,043	783	697	749	251	507	832	1,309
Multiplier Effect at 1.9	1,279	1,886	1,980	1,792	1,181	677	285	537	512	838	956	1,224
State Employment Changes (Multiplier Effect = 1.9)	2,366	3,216	2,937	2,653	1,830	1,234	887	1,107	593	1,065	1,470	2,125

State: Pennsylvania High-Differential Scenario							Pennsylvania Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$1.49	\$1.83	\$1.74	\$1.52	\$0.87	\$0.22	\$0.13	\$0.42	\$0.45	\$0.99	\$0.75	\$0.56
U.S. Refinery GDP Changes	(\$1.05)	(\$1.07)	(\$0.71)	(\$0.63)	(\$0.38)	(\$0.12)	(\$0.26)	(\$0.36)	(\$0.15)	(\$0.51)	(\$0.35)	(\$0.20)
U.S. Import-Export Port Service GDP Changes	\$0.02	\$0.04	\$0.04	\$0.08	\$0.07	\$0.08	\$0.02	\$0.04	\$0.04	\$0.08	\$0.06	\$0.07
U.S. Transportation Sector GDP Changes	(\$0.01)	(\$0.00)	(\$0.00)	\$0.01	\$0.00	\$0.00	(\$0.01)	(\$0.00)	(\$0.00)	\$0.01	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.29	\$0.34	\$0.18	\$0.17	\$0.16	\$0.18	\$0.19	\$0.18	\$0.01	\$0.04	\$0.13	\$0.25
Direct and Indirect State Income Changes	\$0.75	\$1.13	\$1.25	\$1.16	\$0.73	\$0.36	\$0.08	\$0.28	\$0.35	\$0.60	\$0.60	\$0.69
Multiplier Effect at 1.3	\$0.17	\$0.26	\$0.30	\$0.28	\$0.18	\$0.09	\$0.02	\$0.07	\$0.08	\$0.13	\$0.14	\$0.18
State Income Changes (Multiplier Effect = 1.3)	\$0.91	\$1.39	\$1.55	\$1.43	\$0.91	\$0.46	\$0.10	\$0.34	\$0.43	\$0.73	\$0.74	\$0.86
Multiplier Effect at 1.9	\$0.50	\$0.79	\$0.90	\$0.83	\$0.53	\$0.28	\$0.06	\$0.20	\$0.25	\$0.40	\$0.43	\$0.53
State Income Changes (Multiplier Effect = 1.9)	\$1.25	\$1.92	\$2.15	\$1.98	\$1.26	\$0.65	\$0.14	\$0.47	\$0.60	\$1.00	\$1.03	\$1.22
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	1,717	2,909	3,717	3,335	1,696	71	143	439	785	1,292	1,260	1,157
U.S. Refinery Employment Changes	105	(167)	(304)	(448)	(218)	26	105	(167)	(304)	(448)	(218)	26
U.S. Import-Export Port Services Employment Changes	76	151	126	248	245	338	84	172	150	280	251	324
U.S. Transportation Sector Employment Changes	156	99	172	63	10	(134)	28	6	97	42	39	(83)
U.S. Petroleum Product Consumer Gains Employment Change	2,903	3,362	1,799	1,711	1,560	1,792	1,915	1,812	51	415	1,279	2,516
Direct and Indirect Employment Changes	4,958	6,354	5,510	4,909	3,293	2,094	2,275	2,263	778	1,580	2,611	3,941
Multiplier Effect at 1.3	1,673	2,641	3,008	2,762	1,776	944	216	654	831	1,335	1,433	1,764
State Employment Changes (Multiplier Effect = 1.3)	6,630	8,995	8,518	7,671	5,069	3,037	2,490	2,918	1,608	2,915	4,045	5,704
Multiplier Effect at 1.9	5,018	7,924	9,024	8,286	5,327	2,831	647	1,963	2,492	4,004	4,300	5,291
State Employment Changes (Multiplier Effect = 1.9)	9,976	14,278	14,534	13,195	8,620	4,925	2,922	4,226	3,270	5,585	6,912	9,231

State: Rhode Island High-Differential Scenario							Rhode Island Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.04	\$0.05	\$0.05	\$0.04	\$0.03	\$0.01	\$0.00	\$0.01	\$0.01	\$0.03	\$0.02	\$0.02
U.S. Refinery GDP Changes	(\$0.03)	(\$0.03)	(\$0.02)	(\$0.02)	(\$0.01)	(\$0.00)	(\$0.01)	(\$0.01)	(\$0.00)	(\$0.02)	(\$0.01)	(\$0.01)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Transportation Sector GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.02	\$0.03	\$0.01	\$0.01	\$0.01	\$0.01	\$0.02	\$0.01	\$0.00	\$0.00	\$0.01	\$0.02
Direct and Indirect State Income Changes	\$0.04	\$0.05	\$0.04	\$0.04	\$0.03	\$0.02	\$0.01	\$0.02	\$0.01	\$0.02	\$0.02	\$0.03
Multiplier Effect at 1.3	\$0.01	\$0.02	\$0.02	\$0.02	\$0.01	\$0.01	\$0.00	\$0.00	\$0.00	\$0.01	\$0.01	\$0.01
State Income Changes (Multiplier Effect = 1.3)	\$0.05	\$0.07	\$0.06	\$0.06	\$0.04	\$0.03	\$0.01	\$0.02	\$0.01	\$0.03	\$0.03	\$0.04
Multiplier Effect at 1.9	\$0.03	\$0.05	\$0.06	\$0.05	\$0.03	\$0.02	\$0.01	\$0.01	\$0.01	\$0.02	\$0.03	\$0.04
State Income Changes (Multiplier Effect = 1.9)	\$0.07	\$0.10	\$0.10	\$0.09	\$0.06	\$0.04	\$0.02	\$0.03	\$0.02	\$0.04	\$0.05	\$0.07
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	50	86	109	98	50	2	4	13	23	38	37	33
U.S. Refinery Employment Changes	6	(9)	(16)	(24)	(12)	1	6	(9)	(16)	(24)	(12)	1
U.S. Import-Export Port Services Employment Changes	3	4	2	4	6	10	3	4	3	4	6	10
U.S. Transportation Sector Employment Changes	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Petroleum Product Consumer Gains Employment Change	233	269	144	137	125	144	153	145	4	33	102	202
Direct and Indirect Employment Changes	291	350	240	215	169	157	166	153	14	52	133	246
Multiplier Effect at 1.3	110	170	184	167	111	67	25	48	48	75	90	120
State Employment Changes (Multiplier Effect = 1.3)	401	519	423	382	280	224	191	201	62	126	223	366
Multiplier Effect at 1.9	330	509	551	501	334	201	75	145	143	224	269	359
State Employment Changes (Multiplier Effect = 1.9)	621	859	790	717	503	358	241	298	157	275	402	605

State: South Carolina High-Differential Scenario							South Carolina Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.42	\$0.52	\$0.49	\$0.43	\$0.25	\$0.06	\$0.04	\$0.12	\$0.13	\$0.28	\$0.21	\$0.16
U.S. Refinery GDP Changes	(\$0.28)	(\$0.29)	(\$0.19)	(\$0.17)	(\$0.10)	(\$0.03)	(\$0.07)	(\$0.10)	(\$0.04)	(\$0.14)	(\$0.09)	(\$0.05)
U.S. Import-Export Port Service GDP Changes	\$0.01	\$0.01	\$0.01	\$0.02	\$0.02	\$0.02	\$0.01	\$0.01	\$0.01	\$0.02	\$0.02	\$0.02
U.S. Transportation Sector GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.11	\$0.12	\$0.07	\$0.06	\$0.06	\$0.07	\$0.07	\$0.07	\$0.00	\$0.02	\$0.05	\$0.09
Direct and Indirect State Income Changes	\$0.26	\$0.37	\$0.38	\$0.34	\$0.22	\$0.12	\$0.05	\$0.10	\$0.10	\$0.17	\$0.18	\$0.21
Multiplier Effect at 1.3	\$0.05	\$0.08	\$0.09	\$0.08	\$0.05	\$0.03	\$0.01	\$0.02	\$0.02	\$0.04	\$0.04	\$0.05
State Income Changes (Multiplier Effect = 1.3)	\$0.31	\$0.45	\$0.47	\$0.42	\$0.27	\$0.14	\$0.06	\$0.12	\$0.13	\$0.21	\$0.22	\$0.27
Multiplier Effect at 1.9	\$0.16	\$0.24	\$0.27	\$0.24	\$0.16	\$0.09	\$0.03	\$0.06	\$0.07	\$0.12	\$0.13	\$0.16
State Income Changes (Multiplier Effect = 1.9)	\$0.42	\$0.61	\$0.65	\$0.58	\$0.38	\$0.20	\$0.08	\$0.17	\$0.18	\$0.29	\$0.31	\$0.37
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	486	824	1,053	944	477	20	40	124	222	366	355	321
U.S. Refinery Employment Changes	50	(79)	(144)	(212)	(103)	13	50	(79)	(144)	(212)	(103)	13
U.S. Import-Export Port Services Employment Changes	42	49	42	48	61	83	46	56	50	54	62	79
U.S. Transportation Sector Employment Changes	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Petroleum Product Consumer Gains Employment Change	1,071	1,241	664	631	576	661	706	668	19	153	472	928
Direct and Indirect Employment Changes	1,649	2,034	1,615	1,411	1,011	776	843	770	147	360	786	1,341
Multiplier Effect at 1.3	535	813	896	808	526	286	95	216	245	385	425	528
State Employment Changes (Multiplier Effect = 1.3)	2,184	2,848	2,511	2,219	1,537	1,062	938	986	392	745	1,211	1,869
Multiplier Effect at 1.9	1,606	2,440	2,689	2,425	1,578	857	284	648	734	1,154	1,276	1,584
State Employment Changes (Multiplier Effect = 1.9)	3,255	4,474	4,304	3,835	2,589	1,633	1,127	1,418	881	1,514	2,062	2,925

State: South Dakota High-Differential Scenario							South Dakota Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.07	\$0.07	\$0.05	\$0.04	\$0.02	\$0.00	\$0.01	\$0.01	\$0.01	\$0.02	\$0.02	\$0.01
U.S. Refinery GDP Changes	(\$0.02)	(\$0.02)	(\$0.01)	(\$0.01)	(\$0.01)	(\$0.00)	(\$0.00)	(\$0.01)	(\$0.00)	(\$0.01)	(\$0.01)	(\$0.00)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Transportation Sector GDP Changes	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.03	\$0.03	\$0.02	\$0.02	\$0.01	\$0.02	\$0.02	\$0.02	\$0.00	\$0.00	\$0.01	\$0.02
Direct and Indirect State Income Changes	\$0.08	\$0.08	\$0.05	\$0.04	\$0.03	\$0.02	\$0.02	\$0.03	\$0.01	\$0.02	\$0.02	\$0.03
Multiplier Effect at 1.3	\$0.01	\$0.02	\$0.02	\$0.01	\$0.01	\$0.01	\$0.00	\$0.01	\$0.00	\$0.01	\$0.01	\$0.01
State Income Changes (Multiplier Effect = 1.3)	\$0.09	\$0.10	\$0.07	\$0.06	\$0.04	\$0.03	\$0.02	\$0.03	\$0.02	\$0.03	\$0.03	\$0.04
Multiplier Effect at 1.9	\$0.04	\$0.05	\$0.05	\$0.04	\$0.03	\$0.02	\$0.01	\$0.02	\$0.01	\$0.02	\$0.02	\$0.03
State Income Changes (Multiplier Effect = 1.9)	\$0.12	\$0.13	\$0.10	\$0.09	\$0.05	\$0.04	\$0.03	\$0.04	\$0.02	\$0.04	\$0.04	\$0.06
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	79	104	104	81	35	1	7	16	22	31	26	22
U.S. Refinery Employment Changes	3	(5)	(9)	(13)	(6)	1	3	(5)	(9)	(13)	(6)	1
U.S. Import-Export Port Services Employment Changes	3	3	3	3	4	5	3	4	3	3	4	5
U.S. Transportation Sector Employment Changes	18	7	7	2	0	(1)	3	0	4	1	0	(1)
U.S. Petroleum Product Consumer Gains Employment Change	273	316	169	161	147	168	180	170	5	39	120	237
Direct and Indirect Employment Changes	376	426	275	233	179	175	196	185	25	62	144	263
Multiplier Effect at 1.3	143	176	161	139	90	56	31	52	40	63	72	97
State Employment Changes (Multiplier Effect = 1.3)	519	602	436	372	269	231	227	237	65	125	217	361
Multiplier Effect at 1.9	429	529	482	417	269	168	94	156	120	189	217	292
State Employment Changes (Multiplier Effect = 1.9)	805	955	757	650	448	343	290	342	145	251	361	555

State: Tennessee							Tennessee					
High-Differential Scenario							Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.39	\$0.48	\$0.45	\$0.40	\$0.23	\$0.06	\$0.03	\$0.11	\$0.12	\$0.26	\$0.19	\$0.14
U.S. Refinery GDP Changes	(\$0.32)	(\$0.33)	(\$0.22)	(\$0.19)	(\$0.12)	(\$0.04)	(\$0.08)	(\$0.11)	(\$0.05)	(\$0.16)	(\$0.11)	(\$0.06)
U.S. Import-Export Port Service GDP Changes	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
U.S. Transportation Sector GDP Changes	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.15	\$0.17	\$0.09	\$0.09	\$0.08	\$0.09	\$0.10	\$0.09	\$0.00	\$0.02	\$0.06	\$0.13
Direct and Indirect State Income Changes	\$0.22	\$0.32	\$0.33	\$0.30	\$0.20	\$0.12	\$0.06	\$0.10	\$0.08	\$0.13	\$0.16	\$0.22
Multiplier Effect at 1.3	\$0.06	\$0.09	\$0.11	\$0.10	\$0.06	\$0.04	\$0.01	\$0.03	\$0.03	\$0.04	\$0.05	\$0.07
State Income Changes (Multiplier Effect = 1.3)	\$0.28	\$0.42	\$0.44	\$0.40	\$0.26	\$0.16	\$0.07	\$0.12	\$0.11	\$0.17	\$0.21	\$0.29
Multiplier Effect at 1.9	\$0.18	\$0.28	\$0.32	\$0.29	\$0.19	\$0.11	\$0.04	\$0.08	\$0.08	\$0.13	\$0.15	\$0.20
State Income Changes (Multiplier Effect = 1.9)	\$0.40	\$0.61	\$0.65	\$0.59	\$0.39	\$0.23	\$0.09	\$0.17	\$0.17	\$0.26	\$0.31	\$0.42
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	447	758	969	868	439	18	37	114	205	336	326	295
U.S. Refinery Employment Changes	33	(52)	(95)	(140)	(68)	8	33	(52)	(95)	(140)	(68)	8
U.S. Import-Export Port Services Employment Changes	26	28	25	26	33	42	28	32	30	29	34	40
U.S. Transportation Sector Employment Changes	47	30	51	19	3	(37)	8	2	29	13	11	(23)
U.S. Petroleum Product Consumer Gains Employment Change	1,472	1,705	912	868	791	909	971	919	26	210	649	1,276
Direct and Indirect Employment Changes	2,024	2,468	1,863	1,641	1,198	940	1,078	1,015	194	448	952	1,597
Multiplier Effect at 1.3	597	946	1,055	957	631	365	121	256	278	423	505	671
State Employment Changes (Multiplier Effect = 1.3)	2,621	3,414	2,918	2,598	1,829	1,306	1,198	1,271	473	871	1,458	2,268
Multiplier Effect at 1.9	1,792	2,837	3,164	2,870	1,892	1,096	362	768	835	1,269	1,516	2,014
State Employment Changes (Multiplier Effect = 1.9)	3,816	5,305	5,027	4,511	3,090	2,036	1,440	1,783	1,029	1,717	2,468	3,611

State: Texas							Texas					
High-Differential Scenario							Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$5.32	\$6.26	\$5.97	\$4.90	\$2.81	\$0.65	\$0.47	\$1.44	\$1.55	\$3.17	\$2.41	\$1.67
U.S. Refinery GDP Changes	(\$5.38)	(\$5.48)	(\$3.65)	(\$3.23)	(\$1.93)	(\$0.60)	(\$1.31)	(\$1.84)	(\$0.76)	(\$2.62)	(\$1.78)	(\$1.00)
U.S. Import-Export Port Service GDP Changes	\$0.47	\$0.45	\$0.48	\$0.37	\$0.43	\$0.40	\$0.44	\$0.43	\$0.47	\$0.34	\$0.36	\$0.32
U.S. Transportation Sector GDP Changes	(\$0.11)	(\$0.06)	(\$0.01)	\$0.14	\$0.05	\$0.01	(\$0.13)	(\$0.10)	(\$0.05)	\$0.11	\$0.04	\$0.02
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.66	\$0.77	\$0.41	\$0.39	\$0.36	\$0.41	\$0.44	\$0.41	\$0.01	\$0.09	\$0.29	\$0.57
Direct and Indirect State Income Changes	\$0.96	\$1.93	\$3.21	\$2.57	\$1.70	\$0.88	(\$0.10)	\$0.34	\$1.22	\$1.10	\$1.32	\$1.59
Multiplier Effect at 1.3	\$0.26	\$0.47	\$0.67	\$0.57	\$0.37	\$0.20	\$0.01	\$0.10	\$0.22	\$0.25	\$0.29	\$0.37
State Income Changes (Multiplier Effect = 1.3)	\$1.22	\$2.40	\$3.87	\$3.14	\$2.08	\$1.08	(\$0.09)	\$0.44	\$1.44	\$1.35	\$1.61	\$1.96
Multiplier Effect at 1.9	\$0.78	\$1.42	\$2.00	\$1.70	\$1.12	\$0.60	\$0.03	\$0.31	\$0.67	\$0.74	\$0.88	\$1.10
State Income Changes (Multiplier Effect = 1.9)	\$1.74	\$3.35	\$5.21	\$4.27	\$2.82	\$1.48	(\$0.07)	\$0.65	\$1.89	\$1.84	\$2.20	\$2.69
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	6,109	9,965	12,732	10,727	5,438	212	508	1,505	2,688	4,156	4,041	3,435
U.S. Refinery Employment Changes	257	(406)	(742)	(1,092)	(532)	64	257	(406)	(742)	(1,092)	(532)	64
U.S. Import-Export Port Services Employment Changes	1,707	1,639	1,469	1,087	1,410	1,653	1,878	1,873	1,747	1,227	1,440	1,585
U.S. Transportation Sector Employment Changes	3,104	1,913	3,335	1,162	182	(2,186)	560	125	1,880	780	713	(1,351)
U.S. Petroleum Product Consumer Gains Employment Change	6,607	7,653	4,095	3,895	3,552	4,079	4,358	4,124	115	944	2,912	5,728
Direct and Indirect Employment Changes	17,785	20,764	20,889	15,780	10,050	3,822	7,560	7,220	5,689	6,014	8,574	9,462
Multiplier Effect at 1.3	2,603	4,728	6,677	5,668	3,732	2,002	105	1,019	2,238	2,476	2,933	3,673
State Employment Changes (Multiplier Effect = 1.3)	20,388	25,491	27,567	21,448	13,782	5,824	7,666	8,239	7,927	8,491	11,507	13,135
Multiplier Effect at 1.9	7,810	14,184	20,031	17,005	11,197	6,005	316	3,056	6,715	7,429	8,800	11,019
State Employment Changes (Multiplier Effect = 1.9)	25,595	34,947	40,921	32,785	21,246	9,827	7,876	10,276	12,404	13,443	17,374	20,481

State: Utah High-Differential Scenario							Utah Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.12	\$0.13	\$0.10	\$0.09	\$0.05	\$0.01	\$0.01	\$0.03	\$0.03	\$0.06	\$0.04	\$0.03
U.S. Refinery GDP Changes	(\$0.20)	(\$0.21)	(\$0.14)	(\$0.12)	(\$0.07)	(\$0.02)	(\$0.05)	(\$0.07)	(\$0.03)	(\$0.10)	(\$0.07)	(\$0.04)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Transportation Sector GDP Changes	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.06	\$0.07	\$0.04	\$0.04	\$0.03	\$0.04	\$0.04	\$0.04	\$0.00	\$0.01	\$0.03	\$0.05
Direct and Indirect State Income Changes	(\$0.02)	(\$0.01)	\$0.01	\$0.01	\$0.01	\$0.03	\$0.00	(\$0.00)	\$0.00	(\$0.03)	\$0.00	\$0.05
Multiplier Effect at 1.3	\$0.01	\$0.02	\$0.03	\$0.02	\$0.02	\$0.01	\$0.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.02
State Income Changes (Multiplier Effect = 1.3)	(\$0.01)	\$0.01	\$0.03	\$0.03	\$0.03	\$0.04	\$0.00	\$0.00	\$0.01	(\$0.02)	\$0.02	\$0.07
Multiplier Effect at 1.9	\$0.03	\$0.06	\$0.08	\$0.07	\$0.05	\$0.04	\$0.01	\$0.02	\$0.02	\$0.02	\$0.04	\$0.07
State Income Changes (Multiplier Effect = 1.9)	\$0.02	\$0.06	\$0.09	\$0.08	\$0.06	\$0.07	\$0.01	\$0.01	\$0.02	(\$0.01)	\$0.04	\$0.11
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	143	202	223	196	90	4	12	31	47	76	67	57
U.S. Refinery Employment Changes	13	(20)	(36)	(54)	(26)	3	13	(20)	(36)	(54)	(26)	3
U.S. Import-Export Port Services Employment Changes	7	8	7	7	9	11	8	9	8	8	9	11
U.S. Transportation Sector Employment Changes	68	38	59	21	3	(37)	12	2	33	14	12	(23)
U.S. Petroleum Product Consumer Gains Employment Change	615	712	381	362	330	379	405	384	11	88	271	533
Direct and Indirect Employment Changes	846	940	633	533	407	360	450	405	63	132	333	581
Multiplier Effect at 1.3	114	214	270	249	168	123	22	54	73	73	128	218
State Employment Changes (Multiplier Effect = 1.3)	959	1,153	903	783	575	483	472	460	136	206	461	799
Multiplier Effect at 1.9	341	641	810	748	505	368	66	162	219	220	384	654
State Employment Changes (Multiplier Effect = 1.9)	1,186	1,581	1,443	1,281	911	729	516	568	281	352	717	1,235

State: Vermont High-Differential Scenario							Vermont Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.03	\$0.04	\$0.03	\$0.03	\$0.02	\$0.00	\$0.00	\$0.01	\$0.01	\$0.02	\$0.01	\$0.01
U.S. Refinery GDP Changes	(\$0.02)	(\$0.02)	(\$0.01)	(\$0.01)	(\$0.01)	(\$0.00)	(\$0.00)	(\$0.01)	(\$0.00)	(\$0.01)	(\$0.01)	(\$0.00)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Transportation Sector GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.02	\$0.02	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.00	\$0.00	\$0.01	\$0.02
Direct and Indirect State Income Changes	\$0.03	\$0.04	\$0.03	\$0.03	\$0.02	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.02	\$0.02
Multiplier Effect at 1.3	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.01	\$0.01
State Income Changes (Multiplier Effect = 1.3)	\$0.04	\$0.05	\$0.05	\$0.04	\$0.03	\$0.02	\$0.01	\$0.02	\$0.01	\$0.02	\$0.02	\$0.03
Multiplier Effect at 1.9	\$0.02	\$0.03	\$0.03	\$0.03	\$0.02	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.02	\$0.02
State Income Changes (Multiplier Effect = 1.9)	\$0.05	\$0.07	\$0.07	\$0.06	\$0.04	\$0.03	\$0.02	\$0.02	\$0.02	\$0.03	\$0.03	\$0.05
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	34	58	75	67	34	1	3	9	16	26	25	23
U.S. Refinery Employment Changes	3	(5)	(9)	(14)	(7)	1	3	(5)	(9)	(14)	(7)	1
U.S. Import-Export Port Services Employment Changes	3	3	3	3	4	5	3	4	4	3	4	5
U.S. Transportation Sector Employment Changes	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Petroleum Product Consumer Gains Employment Change	183	212	114	108	98	113	121	114	3	26	81	159
Direct and Indirect Employment Changes	224	269	182	164	129	120	130	122	13	42	103	187
Multiplier Effect at 1.3	74	110	115	104	70	42	19	33	29	47	56	75
State Employment Changes (Multiplier Effect = 1.3)	298	379	296	268	199	162	149	155	42	89	159	262
Multiplier Effect at 1.9	223	330	344	312	209	127	57	99	88	141	169	224
State Employment Changes (Multiplier Effect = 1.9)	447	599	526	476	339	247	187	221	101	183	272	411

State: Virginia High-Differential Scenario							Virginia Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.24	\$0.30	\$0.28	\$0.25	\$0.14	\$0.03	\$0.02	\$0.07	\$0.07	\$0.16	\$0.12	\$0.09
U.S. Refinery GDP Changes	(\$0.13)	(\$0.14)	(\$0.09)	(\$0.08)	(\$0.05)	(\$0.01)	(\$0.03)	(\$0.05)	(\$0.02)	(\$0.06)	(\$0.04)	(\$0.02)
U.S. Import-Export Port Service GDP Changes	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.00	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
U.S. Transportation Sector GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.19	\$0.22	\$0.12	\$0.11	\$0.10	\$0.12	\$0.12	\$0.12	\$0.00	\$0.03	\$0.08	\$0.16
Direct and Indirect State Income Changes	\$0.30	\$0.38	\$0.31	\$0.28	\$0.20	\$0.15	\$0.12	\$0.15	\$0.06	\$0.13	\$0.17	\$0.23
Multiplier Effect at 1.3	\$0.09	\$0.13	\$0.14	\$0.13	\$0.09	\$0.05	\$0.02	\$0.04	\$0.04	\$0.06	\$0.07	\$0.09
State Income Changes (Multiplier Effect = 1.3)	\$0.39	\$0.52	\$0.46	\$0.41	\$0.29	\$0.20	\$0.14	\$0.18	\$0.10	\$0.19	\$0.24	\$0.33
Multiplier Effect at 1.9	\$0.27	\$0.40	\$0.42	\$0.39	\$0.26	\$0.16	\$0.07	\$0.12	\$0.11	\$0.17	\$0.21	\$0.28
State Income Changes (Multiplier Effect = 1.9)	\$0.57	\$0.79	\$0.74	\$0.67	\$0.46	\$0.30	\$0.18	\$0.26	\$0.17	\$0.30	\$0.38	\$0.51
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	277	470	601	539	273	11	23	71	127	209	202	183
U.S. Refinery Employment Changes	23	(37)	(68)	(99)	(48)	6	23	(37)	(68)	(99)	(48)	6
U.S. Import-Export Port Services Employment Changes	19	22	19	22	28	39	21	26	23	25	29	37
U.S. Transportation Sector Employment Changes	-	-	-	-	-	-	-	-	-	-	-	-
U.S. Petroleum Product Consumer Gains Employment Change	1,873	2,170	1,161	1,104	1,007	1,156	1,236	1,169	33	268	826	1,624
Direct and Indirect Employment Changes	2,193	2,625	1,714	1,566	1,259	1,213	1,303	1,229	115	402	1,009	1,850
Multiplier Effect at 1.3	896	1,346	1,415	1,289	862	523	224	397	362	578	695	928
State Employment Changes (Multiplier Effect = 1.3)	3,089	3,971	3,129	2,854	2,121	1,735	1,527	1,626	477	980	1,704	2,778
Multiplier Effect at 1.9	2,688	4,037	4,246	3,866	2,586	1,568	672	1,192	1,087	1,734	2,085	2,784
State Employment Changes (Multiplier Effect = 1.9)	4,881	6,662	5,960	5,432	3,846	2,781	1,975	2,421	1,202	2,136	3,093	4,635

State: Washington High-Differential Scenario							Washington Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.16	\$0.20	\$0.19	\$0.17	\$0.09	\$0.02	\$0.01	\$0.05	\$0.05	\$0.11	\$0.08	\$0.06
U.S. Refinery GDP Changes	(\$0.70)	(\$0.71)	(\$0.47)	(\$0.42)	(\$0.25)	(\$0.08)	(\$0.17)	(\$0.24)	(\$0.10)	(\$0.34)	(\$0.23)	(\$0.13)
U.S. Import-Export Port Service GDP Changes	\$0.05	\$0.07	\$0.08	\$0.14	\$0.14	\$0.14	\$0.05	\$0.06	\$0.08	\$0.13	\$0.12	\$0.11
U.S. Transportation Sector GDP Changes	(\$0.01)	(\$0.00)	(\$0.00)	\$0.01	\$0.00	\$0.00	(\$0.01)	(\$0.01)	(\$0.00)	\$0.01	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.14	\$0.17	\$0.09	\$0.08	\$0.08	\$0.09	\$0.09	\$0.09	\$0.00	\$0.02	\$0.06	\$0.12
Direct and Indirect State Income Changes	(\$0.35)	(\$0.28)	(\$0.11)	(\$0.03)	\$0.07	\$0.18	(\$0.02)	(\$0.04)	\$0.03	(\$0.08)	\$0.04	\$0.17
Multiplier Effect at 1.3	\$0.00	\$0.04	\$0.07	\$0.07	\$0.06	\$0.05	\$0.00	\$0.01	\$0.03	\$0.02	\$0.04	\$0.07
State Income Changes (Multiplier Effect = 1.3)	(\$0.35)	(\$0.25)	(\$0.04)	\$0.05	\$0.13	\$0.23	(\$0.02)	(\$0.03)	\$0.06	(\$0.06)	\$0.08	\$0.24
Multiplier Effect at 1.9	\$0.00	\$0.11	\$0.21	\$0.22	\$0.17	\$0.15	\$0.01	\$0.04	\$0.08	\$0.07	\$0.13	\$0.22
State Income Changes (Multiplier Effect = 1.9)	(\$0.34)	(\$0.17)	\$0.10	\$0.19	\$0.24	\$0.33	(\$0.01)	(\$0.01)	\$0.11	(\$0.01)	\$0.17	\$0.39
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	187	316	404	362	183	8	16	48	85	140	136	123
U.S. Refinery Employment Changes	38	(60)	(109)	(161)	(78)	9	38	(60)	(109)	(161)	(78)	9
U.S. Import-Export Port Services Employment Changes	183	248	250	396	478	587	201	284	298	447	488	563
U.S. Transportation Sector Employment Changes	163	104	181	66	10	(129)	29	7	102	44	40	(80)
U.S. Petroleum Product Consumer Gains Employment Change	1,433	1,660	888	845	770	884	945	894	25	205	632	1,242
Direct and Indirect Employment Changes	2,004	2,268	1,614	1,508	1,364	1,359	1,229	1,173	401	675	1,218	1,858
Multiplier Effect at 1.3	10	370	695	727	577	492	41	126	265	242	442	722
State Employment Changes (Multiplier Effect = 1.3)	2,014	2,638	2,309	2,235	1,941	1,852	1,270	1,299	665	917	1,660	2,580
Multiplier Effect at 1.9	30	1,110	2,084	2,181	1,732	1,477	123	378	794	725	1,327	2,166
State Employment Changes (Multiplier Effect = 1.9)	2,034	3,378	3,698	3,689	3,096	2,836	1,352	1,550	1,194	1,400	2,545	4,024

State: West Virginia High-Differential Scenario							West Virginia Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.18	\$0.22	\$0.21	\$0.18	\$0.11	\$0.03	\$0.02	\$0.05	\$0.05	\$0.12	\$0.09	\$0.08
U.S. Refinery GDP Changes	(\$0.08)	(\$0.08)	(\$0.06)	(\$0.05)	(\$0.03)	(\$0.01)	(\$0.02)	(\$0.03)	(\$0.01)	(\$0.04)	(\$0.03)	(\$0.02)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Transportation Sector GDP Changes	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.05	\$0.06	\$0.03	\$0.03	\$0.03	\$0.03	\$0.03	\$0.03	\$0.00	\$0.01	\$0.02	\$0.04
Direct and Indirect State Income Changes	\$0.15	\$0.19	\$0.18	\$0.16	\$0.11	\$0.05	\$0.03	\$0.05	\$0.05	\$0.09	\$0.09	\$0.11
Multiplier Effect at 1.3	\$0.03	\$0.04	\$0.04	\$0.04	\$0.02	\$0.01	\$0.00	\$0.01	\$0.01	\$0.02	\$0.02	\$0.02
State Income Changes (Multiplier Effect = 1.3)	\$0.18	\$0.23	\$0.22	\$0.20	\$0.13	\$0.07	\$0.03	\$0.06	\$0.06	\$0.11	\$0.11	\$0.13
Multiplier Effect at 1.9	\$0.08	\$0.11	\$0.12	\$0.11	\$0.07	\$0.04	\$0.01	\$0.03	\$0.03	\$0.05	\$0.06	\$0.07
State Income Changes (Multiplier Effect = 1.9)	\$0.23	\$0.30	\$0.30	\$0.27	\$0.18	\$0.09	\$0.04	\$0.08	\$0.08	\$0.14	\$0.15	\$0.18
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	208	347	440	397	210	10	17	52	93	154	156	157
U.S. Refinery Employment Changes	12	(19)	(34)	(50)	(25)	3	12	(19)	(34)	(50)	(25)	3
U.S. Import-Export Port Services Employment Changes	11	12	10	11	14	17	12	13	12	12	14	17
U.S. Transportation Sector Employment Changes	9	5	8	3	1	(16)	2	0	4	2	3	(10)
U.S. Petroleum Product Consumer Gains Employment Change	475	550	294	280	255	293	313	297	8	68	209	412
Direct and Indirect Employment Changes	715	895	718	640	455	307	356	344	84	185	357	579
Multiplier Effect at 1.3	267	378	393	354	233	123	49	102	103	176	190	235
State Employment Changes (Multiplier Effect = 1.3)	982	1,272	1,111	995	688	431	405	446	186	361	548	814
Multiplier Effect at 1.9	802	1,133	1,178	1,063	699	370	148	306	308	527	571	705
State Employment Changes (Multiplier Effect = 1.9)	1,516	2,027	1,897	1,704	1,154	677	503	650	392	713	929	1,284

State: Wisconsin High-Differential Scenario							Wisconsin Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.50	\$0.62	\$0.59	\$0.51	\$0.29	\$0.07	\$0.04	\$0.14	\$0.15	\$0.33	\$0.25	\$0.19
U.S. Refinery GDP Changes	(\$0.23)	(\$0.23)	(\$0.15)	(\$0.14)	(\$0.08)	(\$0.03)	(\$0.05)	(\$0.08)	(\$0.03)	(\$0.11)	(\$0.07)	(\$0.04)
U.S. Import-Export Port Service GDP Changes	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
U.S. Transportation Sector GDP Changes	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00	(\$0.00)	(\$0.00)	(\$0.00)	\$0.00	\$0.00	\$0.00
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.12	\$0.14	\$0.08	\$0.07	\$0.07	\$0.08	\$0.08	\$0.08	\$0.00	\$0.02	\$0.05	\$0.11
Direct and Indirect State Income Changes	\$0.41	\$0.54	\$0.52	\$0.46	\$0.29	\$0.14	\$0.08	\$0.15	\$0.13	\$0.25	\$0.24	\$0.26
Multiplier Effect at 1.3	\$0.08	\$0.12	\$0.13	\$0.11	\$0.07	\$0.04	\$0.01	\$0.03	\$0.03	\$0.06	\$0.06	\$0.07
State Income Changes (Multiplier Effect = 1.3)	\$0.49	\$0.66	\$0.65	\$0.58	\$0.37	\$0.17	\$0.09	\$0.18	\$0.17	\$0.31	\$0.30	\$0.33
Multiplier Effect at 1.9	\$0.25	\$0.36	\$0.38	\$0.34	\$0.22	\$0.11	\$0.04	\$0.10	\$0.10	\$0.17	\$0.18	\$0.21
State Income Changes (Multiplier Effect = 1.9)	\$0.66	\$0.90	\$0.90	\$0.80	\$0.51	\$0.25	\$0.12	\$0.25	\$0.23	\$0.42	\$0.42	\$0.48
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	580	984	1,257	1,127	570	24	48	149	265	437	423	383
U.S. Refinery Employment Changes	35	(55)	(100)	(147)	(72)	9	35	(55)	(100)	(147)	(72)	9
U.S. Import-Export Port Services Employment Changes	31	34	31	31	41	51	34	39	37	35	41	49
U.S. Transportation Sector Employment Changes	10	6	11	4	1	(8)	2	0	6	3	2	(5)
U.S. Petroleum Product Consumer Gains Employment Change	1,238	1,435	768	730	666	765	817	773	22	177	546	1,074
Direct and Indirect Employment Changes	1,894	2,404	1,967	1,745	1,205	841	936	907	230	504	941	1,510
Multiplier Effect at 1.3	820	1,190	1,263	1,135	729	377	145	317	334	561	594	710
State Employment Changes (Multiplier Effect = 1.3)	2,714	3,594	3,229	2,880	1,934	1,217	1,081	1,224	564	1,065	1,535	2,220
Multiplier Effect at 1.9	2,460	3,570	3,788	3,406	2,187	1,131	436	951	1,003	1,682	1,781	2,129
State Employment Changes (Multiplier Effect = 1.9)	4,355	5,974	5,754	5,151	3,392	1,971	1,372	1,858	1,233	2,186	2,723	3,639

State: Wyoming High-Differential Scenario							Wyoming Low-Differential Scenario					
State Income by Source (2011\$ Billion)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Hydrocarbon GDP Changes	\$0.38	\$0.33	\$0.26	\$0.33	\$0.37	\$0.22	\$0.03	\$0.08	\$0.07	\$0.22	\$0.32	\$0.57
U.S. Refinery GDP Changes	(\$0.18)	(\$0.18)	(\$0.12)	(\$0.11)	(\$0.06)	(\$0.02)	(\$0.04)	(\$0.06)	(\$0.02)	(\$0.09)	(\$0.06)	(\$0.03)
U.S. Import-Export Port Service GDP Changes	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
U.S. Transportation Sector GDP Changes	(\$0.01)	(\$0.00)	(\$0.00)	\$0.01	\$0.00	\$0.00	(\$0.01)	(\$0.00)	(\$0.00)	\$0.01	\$0.00	\$0.01
U.S. Petroleum Product Consumer Gains GDP Changes	\$0.04	\$0.04	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.02	\$0.00	\$0.01	\$0.02	\$0.03
Direct and Indirect State Income Changes	\$0.24	\$0.19	\$0.16	\$0.26	\$0.33	\$0.23	\$0.01	\$0.04	\$0.04	\$0.14	\$0.28	\$0.58
Multiplier Effect at 1.3	\$0.03	\$0.03	\$0.03	\$0.04	\$0.04	\$0.03	\$0.00	\$0.01	\$0.01	\$0.02	\$0.04	\$0.07
State Income Changes (Multiplier Effect = 1.3)	\$0.27	\$0.22	\$0.19	\$0.29	\$0.38	\$0.26	\$0.01	\$0.04	\$0.05	\$0.16	\$0.32	\$0.65
Multiplier Effect at 1.9	\$0.10	\$0.09	\$0.08	\$0.11	\$0.13	\$0.09	\$0.00	\$0.02	\$0.02	\$0.06	\$0.11	\$0.22
State Income Changes (Multiplier Effect = 1.9)	\$0.34	\$0.28	\$0.24	\$0.37	\$0.47	\$0.32	\$0.01	\$0.05	\$0.06	\$0.20	\$0.39	\$0.80
State Employment by Source (Job-Years)	2015	2017	2020	2025	2030	2035	2015	2017	2020	2025	2030	2035
U.S. Oil and Gas Production Employment Changes	442	527	549	727	717	73	37	80	116	282	533	1,178
U.S. Refinery Employment Changes	9	(14)	(25)	(37)	(18)	2	9	(14)	(25)	(37)	(18)	2
U.S. Import-Export Port Services Employment Changes	3	4	3	3	4	6	4	4	4	4	4	5
U.S. Transportation Sector Employment Changes	182	84	123	63	18	(542)	33	5	69	42	72	(335)
U.S. Petroleum Product Consumer Gains Employment Change	368	427	228	217	198	227	243	230	6	53	162	319
Direct and Indirect Employment Changes	1,005	1,028	879	974	920	(235)	325	305	171	344	753	1,170
Multiplier Effect at 1.3	326	295	269	377	444	303	16	59	71	200	372	742
State Employment Changes (Multiplier Effect = 1.3)	1,331	1,322	1,148	1,350	1,363	68	341	364	241	544	1,126	1,912
Multiplier Effect at 1.9	979	884	807	1,130	1,331	908	48	176	212	601	1,117	2,227
State Employment Changes (Multiplier Effect = 1.9)	1,984	1,911	1,686	2,103	2,251	673	373	481	383	945	1,870	3,397

