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# ***Impacts of the Natural Gas, Oil and Petrochemical Industry on the US Economy in 2018***

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Prepared for

**American Petroleum  
Institute**



**The Economic Impact of the Natural Gas, Oil and Petrochemical Industry in Ohio, 2018**

Sector Description	Direct	Indirect	Induced	Total	As a % of State Total
<b>Employment*</b>					
<b>Industry Direct Impact</b>	<b>95,250</b>			<b>95,250</b>	<b>1.3%</b>
<b>Indirect/Induced Impacts on Other Industries</b>					
<i>Services</i>		62,020	99,220	<b>161,240</b>	
<i>Wholesale and retail trade</i>		13,520	24,170	<b>37,690</b>	
<i>Finance, insurance, real estate, rental and leasing</i>		12,710	19,140	<b>31,850</b>	
<i>Manufacturing</i>		21,300	8,150	<b>29,450</b>	
<i>Construction</i>		24,890	1,250	<b>26,140</b>	
<i>Transportation and warehousing</i>		16,100	6,160	<b>22,260</b>	
<i>Agriculture</i>		3,570	1,640	<b>5,210</b>	
<i>Government</i>		2,750	2,160	<b>4,910</b>	
<i>Information</i>		1,940	2,160	<b>4,100</b>	
<i>Utilities</i>		1,070	460	<b>1,530</b>	
<i>Mining</i>		420	40	<b>460</b>	
<b>Total Impact on Employment</b>	<b>95,250</b>	<b>160,290</b>	<b>164,560</b>	<b>420,090</b>	<b>5.9%</b>
<b>Labor Income** (\$ Millions)</b>					
<b>Industry Direct Impact</b>	<b>\$8,398</b>			<b>\$8,398</b>	<b>2.1%</b>
<b>Indirect/Induced Impacts on Other Industries</b>					
<i>Services</i>		\$4,224	\$4,889	<b>\$9,113</b>	
<i>Manufacturing</i>		\$1,672	\$592	<b>\$2,264</b>	
<i>Wholesale and retail trade</i>		\$1,037	\$1,040	<b>\$2,077</b>	
<i>Finance, insurance, real estate, rental and leasing</i>		\$808	\$994	<b>\$1,802</b>	
<i>Construction</i>		\$1,560	\$78	<b>\$1,638</b>	
<i>Transportation and warehousing</i>		\$1,038	\$371	<b>\$1,409</b>	
<i>Government</i>		\$215	\$170	<b>\$385</b>	
<i>Information</i>		\$182	\$188	<b>\$369</b>	
<i>Utilities</i>		\$142	\$60	<b>\$202</b>	
<i>Mining</i>		\$70	\$9	<b>\$79</b>	
<i>Agriculture</i>		\$53	\$22	<b>\$75</b>	
<b>Total Impact on Labor Income</b>	<b>\$8,398</b>	<b>\$11,001</b>	<b>\$8,412</b>	<b>\$27,812</b>	<b>6.8%</b>
<b>Value Added (\$ Millions)</b>					
<b>Industry Direct Impact</b>	<b>\$36,332</b>			<b>\$36,332</b>	<b>5.4%</b>
<b>Indirect/Induced Impacts on Other Industries</b>					
<i>Services</i>		\$5,125	\$5,877	<b>\$11,001</b>	
<i>Finance, insurance, real estate, rental and leasing</i>		\$2,794	\$4,329	<b>\$7,123</b>	
<i>Manufacturing</i>		\$2,678	\$1,183	<b>\$3,861</b>	
<i>Wholesale and retail trade</i>		\$1,745	\$1,801	<b>\$3,547</b>	
<i>Transportation and warehousing</i>		\$1,236	\$427	<b>\$1,663</b>	
<i>Construction</i>		\$1,264	\$103	<b>\$1,366</b>	
<i>Information</i>		\$452	\$485	<b>\$938</b>	
<i>Utilities</i>		\$559	\$240	<b>\$799</b>	
<i>Government</i>		\$286	\$233	<b>\$520</b>	
<i>Agriculture</i>		\$126	\$62	<b>\$188</b>	
<i>Mining</i>		\$96	\$11	<b>\$107</b>	
<b>Total Impact on Value Added</b>	<b>\$36,332</b>	<b>\$16,362</b>	<b>\$14,751</b>	<b>\$67,445</b>	<b>10.0%</b>

Source: PwC calculations based on the IMPLAN modeling system (2018 database). Details may not add to totals due to rounding.

\* Employment is defined as the number of payroll and self-employed jobs, including part-time jobs.

\*\* Labor income is defined as wages and salaries and benefits as well as proprietors' income.