



ARIZONA MINING...2017 ECONOMIC IMPACTS

Mining...It's Essential for Your Life - The Arizona mining industry includes copper and molybdenum, lead, zinc, gold, silver, uranium, and other metal ore producers, as well as coal. Electric power generators use large stators and rotors that are wound in copper. Wind energy is produced by turbines that contain copper and molybdenum - alloy steels. Uranium, molybdenum and copper are all used in the production of nuclear power. Everywhere you look, our lives are steeped in the rich Arizona history of mining. From our homes to office buildings, toothbrushes and pc's, to our air conditioners and cell phones; All of these items and more require mining. Only the sun and the natural air we breathe are untouched by mining. Mining truly is essential for our lives.

5.9 Billion Total Economic Impact

Arizona Mining Industry

9,807
Direct Jobs
\$1.0 billion
Direct Payroll
\$5.9 billion
Direct Output

Total Arizona
Jobs Supported
35,940

Total Income to
Arizona Workers
\$2.5 billion

Total Arizona
Output/Sales
\$10.2 billion

Direct Impact of the Mining Industry

In 2017, the mining industry produced direct output valued at \$5.9 billion, and there were 9,807 direct mining jobs. As mining firms purchased intermediate goods and services and workers spent their incomes, an additional \$4.3 billion of indirect Arizona output was created, along with another 26,133 jobs. The total economic impact of the Arizona mining industry was \$10.2 billion of output and 35,940 total jobs. Each mining industry worker supported an additional 2.7 jobs in the overall economy in 2017.

Photos courtesy of Aaron Witt. Opening statement sourced from: Minerals Education Coalition (in part).

This Economic Report was produced by L. William Seidman Research Institute, W.P. Carey School of Business, Arizona State University

Indirect Impacts of the Mining Industry

Indirect impacts occur as workers spend their incomes (induced effects), and as mining firms purchase materials and services from Arizona suppliers, who in turn purchase from their own suppliers and make payment to their employees. Taxes paid by firms and workers provide revenues for government spending, estimated as a separate impact in this study. These ripple effects of the multiplier process created indirect impacts of 26,133 additional Arizona jobs and additional output of \$4.3 billion, with additional income to workers of \$1.4 billion and additional value added to Arizona Gross State Product of \$2.4 billion.

Indirect impact	Output (\$ millions)	Value Added (\$ millions)	Personal Income (\$ millions)	Employment
Supplier Purchases	1,194	760	389	5,077
Worker Spending	1,817	1,023	587	12,503
Government Spending	1,243	606	463	8,533
All Indirect Impacts	\$4,255	\$2,389	\$1,439	26,133

Mining Impacts in Arizona Counties

Direct output and employment in the accompanying table measure production and jobs within mining firms in each county. Total output and employment include all multiplier effects of indirect spending and employment supported by the presence of mining activity and sales in that county.

County	Direct Output (\$ millions)	Direct Employment	Total Output (\$ millions)	Total Employment
Apache	0	0	0.0	0
Cochise	17.8	30	31.0	111
Coconino	36.2	61	63.0	225
Gila	647.9	1,086	1,129.0	4,030
Graham	304.7	511	531.0	1,896
Greenlee	2030.9	3,405	3,538.9	12,633
La Paz	2.3	4	4.0	14
Maricopa	285.2	478	497.0	1,774
Mohave	80.3	135	140.0	500
Navajo	321	402	409.7	1,042
Pima	1047.3	1,756	1,825.0	5,515
Pinal	647.3	1,085	1,128.0	4,027
Santa Cruz	0	0	0.0	0
Yavapai	510.1	854	889.0	3,173
Yuma	0	0	0.0	0
Total Impacts	\$ 5,931.0	9,807	\$ 10,186	35,940

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