

## Wyoming

Advanced industries employ

**17,423**

full-time workers. (2015)

These direct jobs supports an additional

**13,940**

indirect jobs in other industries in the region.

Advanced industries produce

**\$7.6**

billion dollars in output in the region. (2015, 2009 Chained)

Advanced industries pay, on average

**\$87,034**

dollars per year (2015).

Advanced industries directly account for

**5.6%**

of all jobs in the region.

This employment share is

**#47**

among all states.

This accounts for

**19.8%**

of all output in the region (2015).

This compares to average pay of

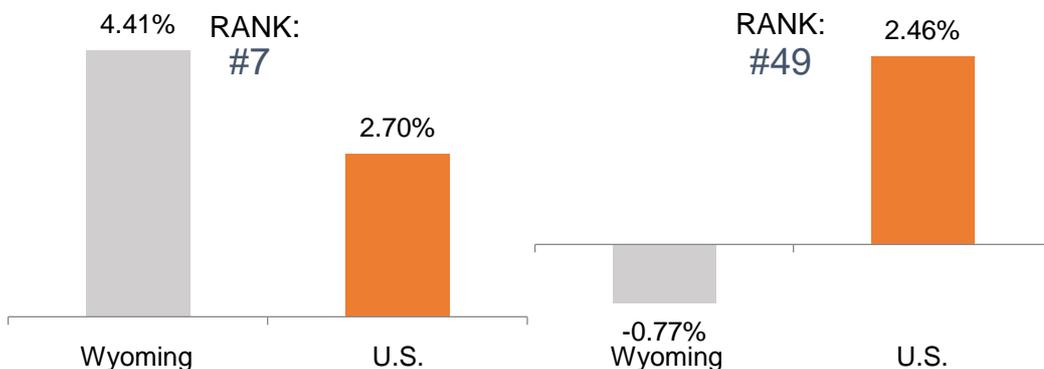
**\$46,142**

for all industries (2015).

Advanced industry annual average growth, 2013-2015

### OUTPUT

### JOBS



### What are Advanced Industries?

The Metropolitan Policy Program at Brookings defines advanced industries as those that: 1) Spend at least \$450 per worker per year on R&D and 2) employ at least 20 percent of their workforce in STEM-intensive occupations. The definition identifies 50 4-digit NAICS industries across the manufacturing, energy, and services sectors that together constitute the advanced industries super-sector.

### Why do Advanced Industries Matter?

Advanced industries encompass the nation's "tech" sector at its broadest and most consequential. They represent a sizable economic anchor for the U.S. economy and have led the post-recession employment recovery. Their competitiveness and growth are prerequisites for any future broadly shared prosperity. As such, the sector encompasses the country's best shot at supporting innovative, inclusive, and sustainable growth. Advanced industries are present in nearly every U.S. region, but the sector's geography is uneven.

### For More Information

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#### DATA NOTES

All figures reflect Brookings analysis of data from Moody's Analytics.

# Wyoming

## Twenty-Five Largest Advanced Industries (2015)

There are 8 advanced industries in Wyoming with LQs over 1.5. LQs over 1.5 indicate specialization †

Industry 4-Digit NAICS Code	Industry Title	Industry Employment (2015)	Industry Location Quotient (LQ) † 2015	Industry Share of Total Advanced Industries Employment (2015)	Industry Employment Annual Growth		Industry Share of Total Advanced Industries Output (2015)	Industry Output Annual Growth	
					2010-2013	2013-2015		2010-2013	2013-2015
2111	Oil & Gas Extraction	4,280	10.47	24.5%	2.7%	-2.9%	63.4%	-8.4%	5.3%
5413	Engineering	2,430	0.82	13.9%	-3.2%	0.2%	3.6%	-3.2%	1.0%
2211	Power Generation & Supply	2,200	2.63	12.6%	0.4%	1.3%	6.7%	-10.2%	-6.2%
5416	Management Consulting	1,460	0.54	8.4%	4.7%	-4.3%	2.3%	3.2%	-3.1%
3241	Petroleum & Coal Products	1,410	6.08	8.1%	5.6%	8.3%	9.3%	-4.0%	20.4%
3251	Basic Chemicals	900	2.86	5.2%	1.8%	-2.4%	3.6%	-6.5%	-1.7%
5415	Computer Systems Design	720	0.18	4.1%	8.2%	1.5%	1.1%	12.3%	6.7%
3253	Pesticides & Fertilizers	420	5.26	2.4%	3.0%	2.1%	1.5%	-6.4%	5.3%
3331	Agri., Constr., Mining Machinery	340	0.68	1.9%	12.4%	-7.5%	0.4%	5.8%	0.4%
5179	Other telecommunications	300	1.73	1.7%	1.0%	-0.3%	0.9%	0.9%	3.4%
5417	R&D Services	300	0.21	1.7%	11.8%	1.0%	0.6%	14.4%	3.5%
6215	Medical and Diagnostic Laboratories	290	0.52	1.6%	1.2%	0.2%	0.3%	-0.3%	1.3%
3259	Misc. Chemicals	220	1.28	1.3%	8.7%	11.7%	0.6%	-1.3%	11.6%
2122	Metal Ore Mining	220	2.55	1.3%	3.9%	-12.9%	1.7%	6.1%	-15.4%
3353	Electrical Equipment	210	0.70	1.2%	-0.8%	10.3%	0.3%	-17.8%	17.7%
3345	Precision Instruments	200	0.23	1.1%	8.2%	1.3%	0.2%	9.4%	10.8%
5182	Data Processing & Hosting	190	0.30	1.1%	-3.1%	11.7%	0.4%	0.6%	19.6%
3254	Pharmaceuticals	190	0.32	1.1%	8.2%	7.4%	1.0%	0.2%	10.8%
5172	Wireless Telecom Carriers	150	0.54	0.9%	2.4%	-2.8%	0.5%	5.6%	6.3%
3333	Commercial & Service Machinery	120	0.61	0.7%	11.5%	-19.2%	0.1%	4.0%	-13.2%
3362	Motor Vehicle Body & Trailers	100	0.33	0.6%	-15.2%	-16.2%	0.1%	-6.1%	-4.5%
3399	Misc. Manufacturing	100	0.16	0.5%	-4.4%	2.2%	0.1%	12.7%	9.0%
5174	Satellite Telecommunications	90	5.27	0.5%	1.1%	0.0%	0.3%	10.4%	-2.1%
5152	Cable and Other Subscription Programming	80	0.63	0.5%	0.4%	-5.0%	0.2%	5.8%	-2.1%
3339	General Purpose Machinery	70	0.13	0.4%	31.6%	-5.6%	0.1%	24.2%	0.7%
IFG	Advanced industries manufacturing	4,660	0.40	26.8%	3.4%	0.9%	17.9%	-4.2%	10.7%
	Advanced industries energy	6,690	5.03	38.4%	2.0%	-2.0%	71.8%	-8.2%	3.4%
	Advanced industries services	6,070	0.43	34.8%	1.2%	-0.7%	10.4%	1.9%	1.8%
	<b>ADVANCED INDUSTRIES TOTAL</b>	<b>17,420</b>	<b>0.64</b>	<b>100.0%</b>	<b>2.1%</b>	<b>-0.8%</b>	<b>100.0%</b>	<b>-6.7%</b>	<b>4.4%</b>

† Location quotients are a measure of specialization for an industry using employment. A LQ of over 1 indicates that an industry employs more workers, as a share of total employment, than the nation as a whole.