

# Forest Products Industries' Economic Contributions: West Virginia - 2017

West Virginia has 12.1 million acres of forest land that cover 79 percent of its land base, and most of this forest land can produce commercial timber. The majority, 87 percent, is privately owned; about 3 percent is managed by state and local government, and 10 percent by the federal government. West Virginia ranks 8th in forest land acres among the 20 Northeast and Midwestern area states. These forests support a vibrant forest products industry.

## Key Findings – Forest Products Industries:

- Provided almost 10,000 direct jobs and supported a total of 17,000 jobs in 2017.
- Provided the 2nd highest direct labor income, value-added, and output when compared to mining and oil and gas production, and agricultural production industries.
- Accounted for 15 percent of Illinois direct manufacturing jobs, and 16.8 percent of non-food manufacturing jobs.
- In West Virginia and adjacent states, employed over 305,000 workers and had \$70.0 billion in direct output.

## Economic Contributions:

Direct Contributions by Industry Group, 2017 (in number of jobs, and thousands of dollars)

Industry Group	Employment	Labor Income	Value-added	Output
Forestry*	701	\$22,080	\$19,292	\$22,653
Logging*	1,919	\$135,237	\$312,182	\$354,327
Primary solid wood products	2,836	\$137,582	\$171,284	\$878,920
Secondary solid wood products	2,613	\$124,595	\$152,837	\$512,662
Wood furniture	1,527	\$67,978	\$49,522	\$186,335
Pulp, paper, and paperboard mills	232	\$16,495	\$21,442	\$150,748
Secondary paperboard and other paper products	281	\$16,263	\$20,468	\$109,328
<b>Total</b>	<b>10,108</b>	<b>\$520,228</b>	<b>\$747,027</b>	<b>\$2,214,972</b>

Total Contributions by Industry Group, 2017 (in number of jobs, and thousands of dollars)

Industry Group	Employment	Labor Income	Value-added	Output
Forestry*	423	\$22,562	\$22,657	\$29,071
Logging*	1,846	\$101,878	\$221,507	\$275,142
Primary solid wood products	6,238	\$312,497	\$502,009	\$1,355,922
Secondary solid wood products	4,865	\$231,274	\$332,358	\$857,271
Wood furniture	2,394	\$107,061	\$113,419	\$307,387
Pulp, paper, and paperboard mills	858	\$48,554	\$77,196	\$256,686
Secondary paperboard and other paper products	548	\$29,232	\$42,078	\$148,403
<b>Total</b>	<b>17,171</b>	<b>\$853,058</b>	<b>\$1,311,223</b>	<b>\$3,229,881</b>

\*Forestry and Logging are reported in this table; but most of their contributions are as indirect inputs or intermediate inputs that are used in the production in the other five industry groups – part of their jobs is included in the estimates for the other groups.

\*\*In this summary, the Forestry industry group includes maple syrup production.



## Top Forest Products Industry Sectors in West Virginia:

### Top 5 Industry Sectors by Direct Jobs

Industry Sector	Employment
Sawmills	2,287
Commercial logging	1,919
Other millwork, including flooring	1,213
Wood kitchen cabinet and countertop manufacturing	1,169
Support activities for forestry	633

### Top 5 Industry Sectors by Value Added (Thousands)

Industry Sector	Value Added
Commercial logging	\$312,182
Sawmills	\$109,641
Other millwork, including flooring	\$76,655
Wood kitchen cabinet and countertop manufacturing	\$40,176
Engineered wood member and truss manufacturing	\$33,486

## Comparison with Neighboring States:

### Forest Products Industries Direct Employment in West Virginia, Pennsylvania, Maryland, and Ohio, 2017

Industry	West Virginia	Pennsylvania	Maryland	Ohio
Forestry*	701	1,865	140	596
Logging	1,919	4,740	648	3,069
Primary solid wood products	2,836	6,812	643	3,178
Secondary solid wood products	2,613	18,638	2,167	12,516
Wood furniture	1,527	13,720	2,506	14,904
Pulp, paper, and paperboard mills	232	3,186	800	2,211
Secondary paperboard and other paper products	281	19,581	1,909	17,971
<b>Sum of Direct Contributions</b>	<b>10,108</b>	<b>68,541</b>	<b>8,813</b>	<b>54,445</b>

\*Includes maple syrup production.

## Forest Products Industries in Context to other Industries:

### Natural Resources and Agricultural Production Industries in West Virginia, 2017

Manufacturing Industries	Employment	Labor Income (Thousands)	Value-added (Thousands)	Output (Thousands)
Forest products	10,108	\$520,228	\$747,027	\$2,214,972
Mining and oil and gas production	34,096	\$2,156,406	\$9,841,606	\$15,109,810
Agricultural production (plant crop and animal)	22,749	\$71,976	\$448,295	\$1,065,034

## About this Bulletin:

This bulletin summarizes the economic contributions of forest products industry in West Virginia in 2017, as part of an analysis of the 20 Northeast and Midwest states plus Nebraska supported by a U.S. Department of Agriculture Forest Service 2017 Landscape Scale Restoration Grant. Several measures of economic contribution are presented below; for more information, see the full report at <http://www.northeasternforests.org>. This analysis used 2017 IMPLAN data for 32 industry sectors summarized in 7 industry groups.

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