

# Forest Products Industries' Economic Contributions: Pennsylvania - 2017

Pennsylvania has 16.8 million acres of forest land that cover 59 percent of its land base, and most of this forest land can produce commercial timber. The majority, 70 percent, is privately owned; about 26 percent is managed by state and local government, and 4 percent by the federal government. Pennsylvania ranks 6th 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 69,000 direct jobs and supported a total of almost 152,000 jobs in 2017.
- Provided higher direct labor income, and second highest value-added and output compared with: commercial fishing, hunting, and trapping; mining and oil and gas production; and agricultural production industries.
- Accounted for 10 percent of direct manufacturing jobs, and 12.5 percent of non-food manufacturing jobs.
- In Pennsylvania and adjacent states, employed over 190,000 workers and had \$61.4 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* **	1,865	\$105,624	\$101,201	\$126,178
Logging*	4,740	\$423,218	\$593,463	\$697,606
Primary solid wood products	6,812	\$370,573	\$431,174	\$2,151,337
Secondary solid wood products	18,638	\$1,044,705	\$1,195,227	\$3,613,125
Wood furniture	13,720	\$781,919	\$887,782	\$2,282,116
Pulp, paper, and paperboard mills	3,186	\$362,153	\$846,970	\$2,722,271
Secondary paperboard and other paper products	19,581	\$1,543,033	\$3,422,013	\$10,827,005
<b>Total</b>	<b>68,541</b>	<b>\$4,631,225</b>	<b>\$7,477,831</b>	<b>\$22,419,639</b>

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

Industry Group	Employment	Labor Income	Value-added	Output
Forestry* **	1,587	\$104,335	\$117,575	\$163,777
Logging*	3,910	\$277,720	\$404,931	\$539,184
Primary solid wood products	16,525	\$1,028,676	\$1,482,596	\$3,572,426
Secondary solid wood products	38,121	\$2,241,720	\$3,052,629	\$6,851,447
Wood furniture	25,622	\$1,488,891	\$2,001,000	\$4,229,095
Pulp, paper, and paperboard mills	12,896	\$995,542	\$1,816,032	\$4,280,137
Secondary paperboard and other paper products	54,036	\$3,738,007	\$6,907,664	\$16,833,003
<b>Total</b>	<b>152,698</b>	<b>\$9,874,890</b>	<b>\$15,782,426</b>	<b>\$36,469,069</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 group includes maple syrup production.



From: Public Sector Consultants and Ben Livelsberger. 2020. *Forest Products Industries' Economic Contributions: Pennsylvania*. Lansing: Public Sector Consultants.

## Top Forest Products Industries in Pennsylvania:

### Top 5 Industry Sectors by Direct Jobs

Industry Sector	Employment
Paperboard container manufacturing	8,004
Wood kitchen cabinet and countertop manufacturing	7,165
Sanitary paper product manufacturing	5,080
Sawmills	5,006
Commercial logging	4,740

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

Industry Sector	Value Added
Sanitary paper product manufacturing	\$1,658,992
Paperboard container manufacturing	\$982,941
Paper mills	\$775,220
Commercial logging	\$593,463
Wood kitchen cabinet and countertop manufacturing	\$430,212

## Comparison with Neighboring States:

### Forest Products Industries Direct Employment in Pennsylvania, Ohio, New York, New Jersey, and Maryland, 2017

Industry	Pennsylvania	Ohio	New York	New Jersey	Maryland
Forestry*	1,865	596	1,658	459	140
Logging	4,740	3,069	4,013	139	648
Primary solid wood products	6,812	3,178	2,861	297	643
Secondary solid wood products	18,638	12,516	7,113	2,664	2,167
Wood furniture	13,720	14,904	11,791	5,106	2,506
Pulp, paper, and paperboard mills	3,186	2,211	4,898	281	800
Secondary paperboard and other paper products	19,581	17,971	10,689	9,756	1,909
<b>Sum of Direct Contributions</b>	<b>68,541</b>	<b>54,445</b>	<b>43,024</b>	<b>18,702</b>	<b>8,813</b>

\*Includes maple syrup production.

## Forest Products Industries in Context to other Industries:

### Natural Resources and Agricultural Production Industries in Pennsylvania, 2017

Manufacturing Industries	Employment	Labor Income (Thousands)	Value-added (Thousands)	Output (Thousands)
Forest products	68,541	\$4,631,225	\$7,477,831	\$22,419,639
Commercial fishing, hunting, and trapping	720	\$1,751	\$ (18,033)	\$9,702
Mining and oil and gas production	47,846	\$3,230,270	\$24,187,342	\$28,710,288
Agricultural production (plant crop and animal)	95,924	\$1,467,144	\$3,462,008	\$8,258,932

## About this Bulletin:

This bulletin summarizes economic contributions of forest products industry in Pennsylvania 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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