

Bureau of Business and Economic Research
Gallagher Business Building, room 231
University of Montana
Missoula, MT 59812-6840

[STATE] [YEAR]

**Forest Industry Data Collection System (FIDACS)
Biomass Form**

GENERAL INSTRUCTIONS

The objective of this survey is to collect and compile data on the sources and volumes of raw materials used by the forest products industry in [STATE], and the volumes and types of finished wood products and mill residue produced in the state. Your assistance is needed to make the results of the survey comprehensive, accurate and timely.

INDIVIDUAL FACILITY DATA WILL BE HELD STRICTLY CONFIDENTIAL. ONLY SUMMARIZED INFORMATION WILL BE REPORTED.

Please fill out the attached questionnaire as completely and accurately as you can. If complete records are not available, please give us your best estimates. Some of the questions may not apply to your operation. In that case, please proceed to the next item. We estimate that responding to this questionnaire will take approximately 51 minutes.

BBER staff will be happy to assist you in completing the survey form. If you have questions, please contact [NAME] by phone at [PHONE NUMBER], or by email at [EMAIL ADDRESS]. If you prefer, we can email you an electronic version of the questionnaire. A downloadable version can also be found at [WEB ADDRESS].

You may return your completed questionnaire either by mail in the enclosed postage paid return envelope, by scanning and emailing it to [EMAIL ADDRESS], or by faxing it to (406) 243-2086. In the event that your facility is closed or currently inactive, we would appreciate that information as well.

THANK YOU FOR YOUR ASSISTANCE!

Public reporting burden for this collection of information is estimated to average [TIME] minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to: Department of Agriculture, Clearance Officer, OIRM, Room 404-W. Washington, DC 20250; and to the Office of Management and Budget, Paperwork Reduction Project (OMB# 0596-0010), Washington, DC 20503.

A. Facility profile

Please complete a separate questionnaire for each facility.

1. Facility name: _____

2. Mailing address: _____

3. Physical address: _____

4. Person completing questionnaire: Title _____
Phone _____
 Name _____ Email _____

5. Type of facility (check one):

- Pulp/paper Particle board Medium density fiber board
- Biomass energy Bark products Pellets
- Other: _____

6. What year did your facility open? _____

Status of facility in [YEAR]:

- Active Inactive Closed/dismantled

7. What was your facility capacity in [YEAR]? Please estimate capacity including normal maintenance and downtime; in other words, the amount you could produce given sufficient supplies of raw materials and firm market demand for your products.

	<u>Units</u>	<u>Shift capacity</u>	<u>Annual capacity</u>
Production capacity:	_____	_____	_____
Other capacity: _____	_____	_____	_____

8. How many days did your facility operate in [YEAR]? _____

of shifts per day _____

of hours per shift _____

9. On average, how many employees worked at your facility in [YEAR]?

Production workers, including line supervisors _____

Administrative and clerical workers _____

-----If your facility does not process timber in roundwood form, skip to item B5 on page 4-----

A. Facility profile (continued)

10. What percentage of your timber receipts for [YEAR] had the following small-end diameters?

_____	<4"	_____	4-7"	_____	7-10"	_____	10-24"	_____	>24"
Minimum small-end diameter accepted: _____ inches					Preferred: _____ inches				
Maximum large-end diameter accepted: _____ inches					Preferred: _____ inches				

11. Lengths of logs used in operation in [YEAR]:

Minimum: _____	feet	Preferred: _____	feet
Maximum: _____	feet	Preferred: _____	feet
Multiples of _____	feet	Other: _____	_____

B. Flow of raw materials in calendar year [YEAR]

1. Please indicate the species received by your facility, and the percentages of each:

<u>Species</u>	<u>Percent of [YEAR] volume received</u>	<u>Percent of species dead prior to harvest</u>
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
_____	_____ %	_____ %
	100%	

B. Flow of raw materials in calendar year [YEAR] (continued)

-----If your facility did not receive any roundwood raw material during [YEAR], skip to item B5 on page 4-----

2. Please indicate the volume of timber received by your facility in calendar year [YEAR]. Indicate the type of log (e.g., sawlog, pulpwood, veneer peeler, house log, woody biomass, fuelwood, post/pole, etc.), state and county of origin, and ownership source (industrial private, non-industrial private, state, tribal, Bureau of Land Management, or Forest Service [specify forest]). **Report volumes in thousand board feet (MBF) Scribner, or specify other units (e.g., truck loads, tons).** If you are unsure, please provide your best estimate.

TIMBER PRODUCT (LOG) TYPE	VOLUME	UNIT	STATE AND COUNTY (for non-US logs, list country of origin)	OWNERSHIP

B. Flow of raw materials in calendar year [YEAR] (continued)

3. Your facility's raw material inventory: Beginning [YEAR] _____ End [YEAR] _____

4. Did your facility ship any unprocessed timber from this location to another facility in [YEAR]? If so, please indicate the volume shipped and the county and state where the timber was shipped.

Volume of timber shipped (MBF): _____

Name of receiving mill: _____

Location of receiving mill (county and state): _____

Volume of timber shipped (MBF): _____

Name of receiving mill: _____

Location of receiving mill (county and state): _____

5. Please indicate the raw material type (chips, sawdust, shavings, bark, recycled--NOT ROUNDWOOD) received by your facility **for manufacture of product in [YEAR], the volume received (specify units, e.g., green tons, dry tons, BDU, cubic yards, etc.), and the state or country of origin (if from outside the US).**

RAW MATERIAL TYPE	VOLUME	UNITS	STATE/COUNTRY (if from outside the US)

B. Flow of raw materials in calendar year [YEAR] (continued)

6. Please indicate the raw material type (chips, sawdust, shavings, bark, recycled--NOT ROUNDWOOD) received by your facility **for fuel** in [YEAR], the volume received (specify units, e.g., green tons, dry tons, BDU, cubic yards, etc.), and the state or country (if from outside the US) of origin.

FUEL MATERIAL TYPE	VOLUME	UNITS	STATE/COUNTRY (if from outside the US)

C. Flow of finished products in calendar year [YEAR]

1. Please indicate the volume and sales value (f.o.b. your facility) of products produced and shipped by your facility in [YEAR], and indicate the percentage of shipments to each geographic region, using the map on the next page for reference.

Product type	Volume	Unit	Total sales value	----- Market Areas -----									
				In-state (1)	Far West (2)	Rocky Mountain (3)	North-central (4)	South (5)	North-east (6)	Canada	Pacific Rim countries	Other countries	
Pulp/paper	_____	_____	\$ _____	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %
Particleboard/MDF	_____	_____	\$ _____	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %
Electricity	_____	_____	\$ _____	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %
Clean chips	_____	_____	\$ _____	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %
Thermal energy	_____	_____	\$ _____	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %
Bark/mulch	_____	_____	\$ _____	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %
Wood pellets	_____	_____	\$ _____	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %
Shavings	_____	_____	\$ _____	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %
Other: _____	_____	_____	\$ _____	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %
Other: _____	_____	_____	\$ _____	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %	___ %

Map of the United States with market areas

Use mouse to roll over map for lists of the states included in each region



C. Flow of finished products in calendar year [YEAR] (continued)

2. Please indicate the volume of mill residues produced and sold by your facility in calendar year [YEAR], residue sales in and out of state, and how the residues were used.

<u>Residue type</u>	<u>Volume produced</u>		<u>Volume sold</u>		-----Market Area-----		<u>Raw material for pulp or board</u>	<u>Internal hogfuel/ biomass energy</u>	<u>Sold for hogfuel/ biomass energy</u>	<u>Unused</u>	<u>Other uses:</u>
	<u>Units</u>	<u>Units</u>	<u>Units</u>	<u>Units</u>	<u>Sales of residue in-state</u>	<u>Sales of residue to other states</u>					
Chips	_____	BDU	_____	BDU	\$ _____	\$ _____	_____ %	_____ %	_____ %	_____ %	_____ %
Slabs, edging and trim not chipped	_____ () _____ () _____ () _____ (\$ _____	\$ _____	_____ %	_____ %	_____ %	_____ %	_____ %
Sawdust	_____	BDU	_____	BDU	\$ _____	\$ _____	_____ %	_____ %	_____ %	_____ %	_____ %
Planer shavings	_____	BDU	_____	BDU	\$ _____	\$ _____	_____ %	_____ %	_____ %	_____ %	_____ %
Bark	_____	BDU	_____	BDU	\$ _____	\$ _____	_____ %	_____ %	_____ %	_____ %	_____ %
Other: _____	_____ () _____ () _____ () _____ (\$ _____	\$ _____	_____ %	_____ %	_____ %	_____ %	_____ %
Other: _____	_____ () _____ () _____ () _____ (\$ _____	\$ _____	_____ %	_____ %	_____ %	_____ %	_____ %
Other: _____	_____ () _____ () _____ () _____ (\$ _____	\$ _____	_____ %	_____ %	_____ %	_____ %	_____ %

3. If residues are sold out of state, please indicate state/country and volume:

<u>Residue type</u>	<u>State/country</u>	<u>Volume</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Thank you for your assistance!