

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!

Paperwork Reduction Act Notice:

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995, unless the information collection has a currently valid OMB Control Number. The approved OMB Control Number for this information collection is 0596-0010. Without this approval, we could not conduct this information collection. Public reporting for this information collection is estimated to be approximately 50 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. All responses to this information collection are voluntary. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the U.S.D.A. Forest Service email address SM.FS.InfoCollect@usda.gov and include the OMB Control Number in the subject line.

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 _____

Email _____

Name _____

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?

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

[illegible]

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.

[illegible]

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) .

[illegible]

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.

			----- Market Areas -----									
<u>Product type</u>	<u>Volume</u>	<u>Unit</u>	<u>Total sales_value</u>	<u>In-state</u> <u>(1)</u>	<u>Far West</u> <u>(2)</u>	<u>Rocky</u> <u>Mountain</u> <u>(3)</u>	<u>North-</u> <u>central</u> <u>(4)</u>	<u>South</u> <u>(5)</u>	<u>North-</u> <u>east</u> <u>(6)</u>	<u>Canada</u>	<u>Pacific Rim</u> <u>countries</u>	<u>Other</u> <u>countries</u>
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>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!