



Independent Statistics and Analysis

**U.S. Energy Information
Administration**

PURPOSE

The U.S. Energy Information Administration's (EIA) Form EIA-63C, Densified Biomass Fuel Production, Sales and Inventory Levels in the United States. The data collected are at national levels. A summary of the data will be published in various EIA public reports.

REQUIRED RESPONDENTS

Form EIA-63C must be completed by all companies that manufacture densified biomass fuel facility in the United States. The data should include densified biomass products for non-fuel purposes. Planned facilities and small manufacturing plants with a capacity to produce 10,000 tons per year or more.

YOUR RESPONSE IS REQUIRED BY LAW

The timely and factual submission of Form EIA-63C by those required to report is mandatory. Failure to report or the submission of false, fictitious, or fraudulent statements as to any matter within its jurisdiction may result in a temporary restraining order or a preliminary or permanent injunction without compliance with these reporting requirements.

REPORTING BURDEN

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing the collection of information, maintaining 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: Energy Information Administration, Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Project, Washington, DC 20503.

DISCLOSURE OF INFORMATION

Information reported for the following three data elements: Part 1. Name of company considered public information and may be publicly released in company identifier extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), and the Trade Secrets Act, 18 U.S.C. §1905.

The Federal Energy Administration Act requires EIA to provide company-specific information made available, upon request, to another component of the Department of Energy authorized by law to receive such information. A court of competent jurisdiction such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Disclosure limitation procedures are not applied to the aggregate statistical data, respondents, or that are dominated by data from one or two large respondents or a specific respondent.

DUE DATE

The monthly report is due on the last day of the month following the reporting period. Annual responses are due the first business day of June.

HOW TO FILE A RESPONSE

The form must be submitted to EIA via electronic filing using the Data XChange portal interactively using a web form.

- Web Form: You may enter the required data manually via a web form into

Data XChange Portal: <https://survey.eia.gov/prweb/PRAuth/app/EIACS/>

QUESTIONS

Please contact the EIA Survey Support Team using the following communication methods:

Email eia4usa@eia.gov

Telephone 1-855-EIA-4USA (1-855-342-4872) [Monday through Friday, 8

FORM EIA-63C DENSIFIED BIOMASS FUEL REPORT

Biomass Fuel Report, collects information on pellet fuel and other densified biomass fuels. The data collected are used to estimate densified biomass fuel production, sales and inventory for reporting purposes and on the EIA website, including the Monthly Energy Review.

Reporting requirements for densified biomass fuel products for each operating and planned (within one year of construction) plant. The total production, inventory and sales of densified biomass fuel produced at all plants, with a production capacity of less than 10,000 tons per year, report production and sales. Plants with a production capacity of 10,000 tons per year or more must report monthly.

Reporting is mandatory under 15 U.S.C. 772(b). Failure to respond may result in a civil penalty for any person knowingly and willingly to make to any Agency or Department of the Interior. The government may bring a civil action to prohibit reporting violations and to require the posting of bond. In such civil action, the court may also issue mandatory injunctions to compel reporting.

Estimated burden is 1.4 hours per response, including time for reviewing instructions, searching existing data sources, gathering the data, reviewing the information, 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 the burden, to the Office of Management and Budget, Paperwork Project Director, Paperwork Reduction Project (EIA-63C), 1000 Independence Avenue, S.W., Washington, D.C. 20503.

Facility; Question 1.2. Physical Location of Facility, and Question 2.2. Maximum Capacity. All other information reported on this survey will be protected under the Freedom of Information Act (FOIA), 5 U.S.C. §552, the Department of Energy (DOE) regulation

specific data to other federal agencies when requested for official use. The information may be disclosed to any Committee of Congress, the Government Accountability Office, or any other federal agency. The information may also be disclosed to the public. The information may be used for purposes other than those for which it was collected.

data published from this survey. There may be some statistics that are based on confidential information. In these cases, it may be possible for a knowledgeable person to closely

ing period, or the next business day. For example, data for June is due on July

ange Portal. The Data XChange Portal is a secure Web-based application that

the Data XChange Portal. Follow the instructions on the Data XChange Portal

tion methods:

:00 AM to 6:00 PM E.T.]

OMB No. 1905-0209
Expiration Date: xx/xx/xxxx
Burden Hours: 1.4

biomass fuel consumption,
by state, regional and

(if expected operation)
at the facility. Do not report
Part 1 and Part 2 only.

civil penalty of not more than
of the United States any
which may result in a
commanding any person to

using existing data sources, gathering and
cost of this collection of information including
avenue, S.W., Washington, D.C. 20585; and

um Annual Production Capacity are
and not disclosed to the public to the
s, 10 C.F.R. §1004.11, implementing the

rmation reported on this form may also be
/ Office, or other federal agencies
y be used for any non-statistical purposes

d on data from fewer than three
estimate the information reported by a

31 or the next business day.

will enable you to enter data

l to complete the online form.

Densified Biomass Fuel Report



Independent Statistics and Analysis

U.S. Energy Information Administration

| | |
|-----------------|------------|
| Facility Name | PREPRINTED |
| EIA Facility ID | PREPRINTED |

PA

**All respondents complete Part 1 with the first filing. The
Please verify or update the following information.**

1.1 Please verify the legal name and mailing address of

| | |
|-----------|------------|
| Name | PREPRINTED |
| Address 1 | PREPRINTED |
| Address 2 | PREPRINTED |
| City | PREPRINTED |

1.2 Where is the facility physically located?

| | |
|----------------|------------|
| County or City | PREPRINTED |
| State | PREPRINTED |

1.3 Please verify the parent company legal name and n

| | |
|-----------|------------|
| Name | PREPRINTED |
| Address 1 | PREPRINTED |
| Address 2 | PREPRINTED |
| City | PREPRINTED |

1.4 Please verify the primary contact information.

| | |
|-------------------|------------------------------|
| Contact Name | PREPRINTED |
| Contact Telephone | (xxx) xxx - xxxx EXT. xxxx |
| Company Name | |
| Address 1 | PREPRINTED |
| Address 2 | PREPRINTED |
| City | PREPRINTED |

1.5 Please verify the supervisor contact information.

| | |
|----------------------|------------------------------|
| Supervisor Name | PREPRINTED |
| Supervisor Telephone | (xxx) xxx - xxxx EXT. xxxx |
| Company Name | |
| Address 1 | PREPRINTED |
| Address 2 | PREPRINTED |
| City | PREPRINTED |

Part 1. Comments

Please enter comments about Part 1 in this box.

| |
|--|
| |
|--|

**FORM EIA-63C
DENSIFIED BIOMASS
FUEL REPORT**

PART 1. IDENTIFICATION and CONTACT INFORMATION

Hereafter, these data will be pre-populated.

of the reporting facility.

| | |
|--|-------|
| | |
| | State |

Mailing address (if different from facility name and address above).

| | |
|--|---------------|
| | |
| | State |
| | Contact Email |
| | Contact FAX |

| | |
|--|------------------|
| | |
| | State |
| | Supervisor Email |
| | Supervisor FAX |

| | |
|--|-------|
| | State |
|--|-------|



OMB No. 1905-0209
Approval Expires: xx/xx/xxxx
Burden Hours: 1.4

Reporting Month PREPRINTED
Reporting Year PREPRINTED

| | | |
|------------|----------|------------|
| PREPRINTED | Zip Code | PREPRINTED |
|------------|----------|------------|

| | | |
|------------|----------|------------|
| PREPRINTED | Zip Code | PREPRINTED |
|------------|----------|------------|

| | | |
|------------|----------|------------|
| PREPRINTED | Zip Code | PREPRINTED |
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| | | |
|------------|----------|------------|
| PREPRINTED | Zip Code | PREPRINTED |
|------------|----------|------------|

Form EIA-63C Densified Biomass Fuel Report



Independent Statistics and Analysis

U.S. Energy Information Administration

Facility Name
EIA Facility ID

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| PREPRINTED |

PA

Manufacturing plants with a maximum annual production of less than 10,000 short tons per year. Parts 3 and 4 are not required for small (less than 10,000 short tons per year) manufacturing plants.

2.1 What is the operational status of the facility at the end of the reporting period?

Select the operational status from the dropdown list:
Currently Operating - facility is producing and/or selling
Temporarily Not in Operation - facility is closed down for a period of time
Ceased Operation - facility is closed and is not expected to be restarted
Under Construction/Planned - facility is currently in a planned state
Sold - facility has been sold. Please provide new owner contact information.

If facility is Under Construction/Planned to come online within 12 months, provide start date.

Status

If Sold, new owner:

2.2 What year did the facility begin or is expected to begin commercial operations?

Report the year the facility originally began producing and/or selling or the year your company began commercial operations.

Year

2.3 What is (or if planned, will be) the maximum annual production capacity of the facility?

Report the maximum amount of densified biomass fuel produced and/or sold that is fully utilized. Report in short tons per year.

Capacity

2.4 If the pellet extrusion machinery was not fully utilized, provide explanation.

| |
|--------------|
| Explanations |
|--------------|

| |
|------------------------------------------|
| Shortage of raw materials |
| Drying Capacity |
| Grinding Capacity |
| Pelletizing Capacity |
| Lack of Market |
| Other (please explain in Comments below) |

Part 2.

Comments

Please enter
comments about
Part 2 in this box.

| | |
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OMB No. 1905-0209
Approval Expires: xx/xx/xxxx
Burden Hours: 1.4

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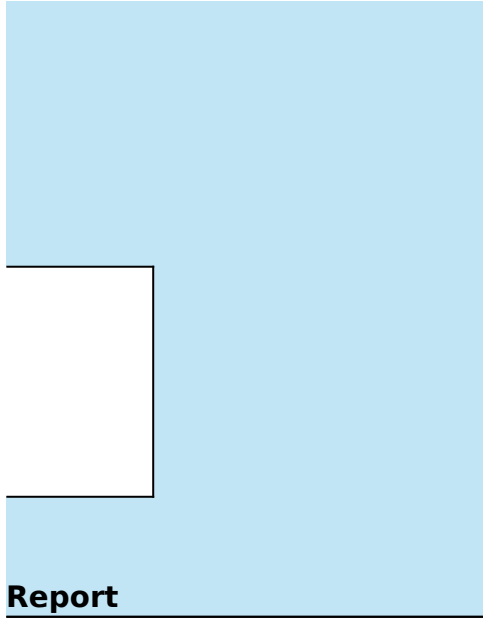
g question 2.4.

ext twelve months.

own, report the year

quipment if fully

that apply.





Independent Statistics and Analysis

U.S. Energy Information Administration

| | |
|------------------------|------------|
| Facility Name | PREPRINTED |
| EIA Facility ID | PREPRINTED |

PART 1

Plants with an annual maximum production capacity of 10,000 short tons or more

3.1 For each type of feedstock received during the reporting period, report the following information:

Select the feedstock type from the dropdown list; select the volume received from the dropdown list. Report the Quantity in short tons. Report Total Delivered Cost in dollars.

Use as many lines as needed to describe each type of feedstock.

| Feedstock Type | Wood |
|--------------------------------------|------------------------------------|
| (choose from dropdown list) | (choose from dropdown list) |
| Roundwood | DROPC Hardwood c |
| Pulpwood | DROPC Hardwood c |
| Sawmill Residuals | DROPC Hardwood c |
| Wood Product Manufacturing Residuals | DROPC Hardwood c |
| Logging Residues | DROPC Hardwood c |
| Other (please specify below) | DROPC Hardwood c |
| | |

3.2 What is the quantity and what are the characteristics of e

**Select the Product Type from the dropdown list. Provide the C
Additional Information. Provide the Ash and Moisture Content**

Use as many lines as needed to accommodate all Product Typ

| Product Type | Volu |
|----------------------------------------------------|---------------|
| (choose from dropdown list) | (short |
| Wood Pellets for Heating with PFI Certification | |
| Wood Pellets for Heating without PFI Certification | |
| Industrial/Utility-grade Wood Pellets | |
| Other (please specify below) | |
| | |

**3.3 How much product was stored as inventory at the facility
Select the Product Type from the dropdown list. Provide the a**

Use as many lines as needed for each Product Type stored at

| Product Type | Inver |
|----------------------------------------------------|---------------|
| (choose from dropdown list) | (short |
| Wood Pellets for Heating with PFI Certification | |
| Wood Pellets for Heating without PFI Certification | |
| Industrial/Utility-grade Wood Pellets | |
| Other (please specify below) | |
| | |

**3.4 How many Full-time Equivalent (FTE) direct employees we
facilities should report employee numbers; planned or under (**

**Report the number of Full-time Equivalent (FTE) Employees di
those working at the facility for the company operating the fa
contract by the facility to provide support services.**

| | |
|-------------------------|--|
| Number of FTE Employees | |
|-------------------------|--|

Part 3. Comments

Please enter comments about Part 3 in this box.

FORM EIA-63C DENSIFIED BIOMASS FUEL REPORT

PART 3. DENSIFIED BIOMASS PRODUCTION AND INVENTORY INVENTORY
100 tons per year or more, complete PART 3 for each month.

For each reporting period, what is the quantity in short tons and the total delivered cost of the wood type (hardwood or softwood); and select the units (bone dry or green) and the cost in whole U.S. dollars (USD). If no cost is involved, put zero in the cost column. Check purchased or otherwise obtained during the reporting period for

| Type | Wood Source | Units |
|------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------------|
| (dropdown list) | (choose from dropdown list) | (choose from dropdown list) |
| DROPPDOWN: Hardwood or Softwood | DROPPDOWN: Natural Forests (private) or Planted Forests (private) | DROPPDOWN: Green Short Tons or Bone Dry Short Tons |
| DROPPDOWN: Hardwood or Softwood | DROPPDOWN: Natural Forests (private) or Planted Forests (private) | DROPPDOWN: Green Short Tons or Bone Dry Short Tons |
| DROPPDOWN: Hardwood or Softwood | DROPPDOWN: Natural Forests (private) or Planted Forests (private) | DROPPDOWN: Green Short Tons or Bone Dry Short Tons |
| DROPPDOWN: Hardwood or Softwood | DROPPDOWN: Natural Forests (private) or Planted Forests (private) | DROPPDOWN: Green Short Tons or Bone Dry Short Tons |
| DROPPDOWN: Hardwood or Softwood | DROPPDOWN: Natural Forests (private) or Planted Forests (private) | DROPPDOWN: Green Short Tons or Bone Dry Short Tons |
| DROPPDOWN: Hardwood or Softwood | DROPPDOWN: Natural Forests (private) or Planted Forests (private) | DROPPDOWN: Green Short Tons or Bone Dry Short Tons |

each type of densified biomass fuel product produced during the reporting period. Provide the quantity in short tons. Provide the Thermal (heat) Content of the Product as a percentage by weight. Use average values for thermal, ash, and moisture content for all products produced at the facility.

| Product Name (Short Tons) | Average Thermal (heat) Content (British Thermal Units per Pound) | | Average Ash Content (Percentage by Weight) |
|---------------------------|------------------------------------------------------------------|-----------------|--------------------------------------------|
| | Quantity | Units per Pound | Percentage |
| | | Btu/lb | % |
| | | Btu/lb | % |
| | | Btu/lb | % |
| | | Btu/lb | % |

Inventory stored at the facility or offsite, such as at ports, at the end of the reporting period? Provide the amount in Inventory stored in short tons. Include 'super sacks' in bulk inventory stored at the facility.

| Inventory (Short Tons) |
|------------------------|
| |
| |
| |
| |

Employees employed in the densified biomass fuel production operations at the reporting period. Construction facilities should not report this.

Employees employed during the reporting period. If employees varied over the reporting period, provide the average number of employees. Do not include indirect supporting industries' employees,

| |
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| |
|--|



orting period?

oduct Type in Btu per pound. For help in converting units see Page 5,
and moisture contents.

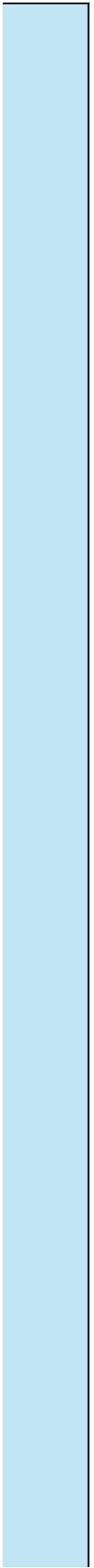
| Average Moisture Content (Percentage by Weight) | |
|------------------------------------------------------------|---|
| | % |
| | % |
| | % |
| | % |

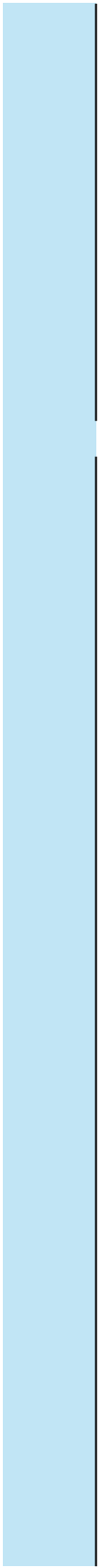
lk inventory.

this facility during the current reporting period? Only operating

eriod, report the higher number of employees. Direct employees are
such as logging companies or transportation companies under

Form EIA-63C Densified Biomass Fuel Report









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| | |
|------------------------|------------|
| Facility Name | PREPRINTED |
| EIA Facility ID | PREPRINTED |

4.1 Of the products sold in the U.S. domestic market, what was the quantity sold?

Select the Product Type from the dropdown list. Report the Quantity sold in thousands of short tons at Retail (directly to the end user) and at Wholesale (for industrial and utility customers), port costs/fees or other costs associated with export to the destination country cannot be determined, choose UNKNOWN.

Use as many lines as needed to describe each Product Type so that the total quantity reported equals the total quantity sold in the U.S. domestic market.

| Product Type (choose from dropdown list) |
|----------------------------------------------------|
| Wood Pellets for Heating with PFI Certification |
| Wood Pellets for Heating without PFI Certification |
| Industrial/Utility-grade Wood Pellets |
| Other (please specify below) |
| |

4.2 Of the products sold in the export market, what was the quantity sold to the destination country?

Select the Product Type from the dropdown list. If the Product Type is UNKNOWN, report the quantity sold in thousands of short tons at Retail (directly to the end user) and at Wholesale (for industrial and utility customers), port costs/fees or other costs associated with export to the destination country cannot be determined, choose UNKNOWN.

Use as many lines as needed to describe each Product Type so that the total quantity reported equals the total quantity sold in the export market.

| Product Type (choose from dropdown list) | Quantity (short tons) |
|----------------------------------------------------|-----------------------|
| Industrial/Utility-grade Wood Pellets | |
| Wood Pellets for Heating without PFI Certification | |
| Wood Pellets for Heating with PFI Certification | |
| Other (please specify below) | |
| | |

Part 4. Comments

Please enter comments about Part 4 in this box.

FORM EIA-63C DENSIFIED BIOMASS FUEL REPORT

| |
|--|
| |
| |

PART 4. PRODUCT SALES AND REVENUE INFORMATION

Report the quantity sold at retail and at wholesale during the reporting period. Report the quantity in short tons sold at Retail (directly to the end user) and at Wholesale (shipment to customers). Report the total revenue received (not averages) in whole U.S. dollars sold and the type of sale during the reporting period.

| Retail (to end users) | | Volume (short tons) |
|-----------------------|------------------------|---------------------|
| Quantity (short tons) | Revenue (FOB at plant) | |
| | \$0 | |
| | \$0 | |
| | \$0 | |
| | \$0 | |

Report the quantity sold at retail and at wholesale during the reporting period, and the revenue received for each sale as Free On Board (FOB) at plant.

If Product Type is not listed, choose Other and provide the Product Type in the comments section (e.g., Other (resale)). Report the Revenue Received for each sale as Free On Board (FOB) at plant. Report the total revenue (not averages) in whole U.S. dollars (USD).

Report the quantity sold, the type of sale and the destination country for shipments made during the reporting period.

| Retail (to end users) | | Wholesale |
|-----------------------|------------------------|---------------------|
| Quantity (short tons) | Revenue (FOB at plant) | Volume (short tons) |
| | \$0 | |
| | \$0 | |
| | \$0 | |
| | \$0 | |



Reporting Month PREPRINTED
Reporting Year PREPRINTED

period, and what was the associated revenue?

Wholesale (for resale). Report the Revenue Received for in whole U.S. dollars (USD).

| Wholesale (for resale) | |
|------------------------|------------------------|
| Short tons) | Revenue (FOB at plant) |
| | \$0 |
| | \$0 |
| | \$0 |
| | \$0 |

and what was the associated revenue and

in the space below. Report the Quantity in short tons at the plant (excludes transportation to destination). Report the Destination Country. If the

occurred during the reporting period.

| (for resale) | Destination Country (choose from list) |
|------------------------|----------------------------------------|
| Revenue (FOB at plant) | |
| \$0 | |
| \$0 | |
| \$0 | |
| \$0 | |

Form EIA-63C Densified Biomass Fuel Report



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U.S. Energy Information Administration

Ash - Noncombustible matter contained in the densified biomass fuel product. In general, utility grade densified biomass fuel is higher in ash than premium grade.

British Thermal Units (Btu) - The quantity of heat required to raise the temperature of one pound of water by one degree Fahrenheit (approximately 39 degrees Fahrenheit).

Commercial Operation - Original month and year the facility began producing product.

Conversion from Metric to Short Tons - One metric ton equals 1.1023 short tons.

Conversions to Btu per Pound -

To convert from kilojoules (KJ) per metric ton to Btu per pound:

$$1 \text{ KJ} = (.947817) \text{ Btu}$$

$$1 \text{ Metric Ton} = (1.1.023*2000) \text{ pounds}$$

To convert from million Btu per ton (MMBtu/ton) to Btu per pound:

$$\text{MMBtu per ton} / .002 = \text{Btu/lb}$$

Densified Biomass Fuel Product - Raw biomass that has been condensed and densified.

Destination Country - Country where exported product is destined to arrive.

Feedstock Types - Raw biomass intended for densification purchased and converted into product in the reporting period.

Roundwood - Roundwood typically classified as timber, can be five to ten inches in diameter.

Pulpwood - Roundwood, whole-tree chips, or wood residues used for the pulp and paper industry.

Sawmill residuals - Sawmill residues in the form of sawdust, chips, shavings, and slivers.

Wood Product manufacturing waste - Residual wood materials from commercial wood product manufacturing.

Logging Residues (trimmings and limbs) - Residual trimmings, limbs, and other wood residues from logging operations.

Revenue Free on Board (FOB) at Plant - Revenue received for sales of product at the plant, FOB at plant, etc.

Full-time Equivalent (FTE) Direct Employees - The full-time equivalent number of employees at the facility.

Moisture - The water content of a substance (a solid fuel) as measured under standard conditions. For raw biomass feedstock, creating a higher density and thermal energy product.

Product Types - Densified products such as pellets and the grade or certification.

Reporting Period - Calendar year and month covered in a single submitted report. If the reporting period is a calendar month, please provide a comment to describe the reporting period.

Retail Sales (to end users) - Sales of product directly to the end user. Retail sales include sales to end users.

Short Tons - Two thousand pounds.

Thermal (Heat) Content - The quantity of heat expressed in Btu contained in a unit of product. Commonly, the value will fall between 5,000 and 12,000 Btu per pound (Btu/lb).

Total Delivered Cost (for feedstocks) - Cost of feedstock delivered to plant, including transportation and handling.

Units - Green Ton (GT) = 2,000 lbs of fresh cut woody material at a "green" moisture content.

Bone Dry Ton (BDT or DT) = 2,000 lbs of woody material at 0% moisture content.

Wholesale Sales (for resale) - Sales of products to entities that will resell the product.

Wood Type - Softwood - Gymnosperm (seeds produced without covering,
Hardwood - Angiosperm (seeds produced with a covering)

FORM EIA-63C DENSIFIED BIOMASS FUEL REPORT

DEFINITIONS

ct. The amount of ash, measured on a percentage by weight basis, affects the grades.

temperature of 1 pound of liquid water by 1 degree Fahrenheit at the temperature

ction of products for sale.

short tons.

l into a high energy density and homogenously sized product, such as wood chips.

received at the facility during the reporting period. Report the volume as received

n inches in diameter

production of wood pulp. Typically less than five inches in diameter.

rings, slabs or edges.

consumer product manufacturing facilities.

chips, bark or sawdust from logging activities.

product, excluding costs or revenue due to transportation to or from plant, sales

of the employees onsite at a production facility, directly employed by the corporation

er specified conditions being the "dry basis." Moisture content in densified biomass

ct. Moisture content should be reported as percentage by weight.

cation standard met for the product.

d report. Data reported should be inclusive of the calendar month for the reporting

covered by the data.

ail sales do NOT include sales to distributors, brokers or other entities with inventory

d in one unit of fuel. For the purposes of this report, Btu per pound of densified biomass

(/lb).

ant including all cost components (transportation, commodity costs, taxes, handling

n" moisture content

moisture content

the products to end users.

usually in cones) trees
trees

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Approval Expires: xx/xx/xxxx
Burden Hours: 1.4

the burning characteristics of a fuel. In

temperature at which water has its greatest density

pellets, intended for use as fuel.

received, not the volume actually converted

includes taxes, tax incentives, rebates, insurance,

company which owns and/or operates the

biomass fuel is significantly reduced from the

report. If data are based on other than a

intent to resell the products.

of biomass fuel should be reported.

handling, etc.).

Form EIA-63C Densified Biomass Fuel Report