**GLOSSARY**

**Ash** - Noncombustible matter contained in the densified biomass fuel product. The amount of ash, measured on a percentage by weight basis, affects the burning characteristics of a fuel. In general, utility grade densified biomass fuel is higher in ash than premium grades.

**British Thermal Units (Btu)** - The quantity of heat required to raise the temperature of 1 pound of liquid water by 1 degree Fahrenheit at the temperature at which water has its greatest density (approximately 39 degrees Fahrenheit).

**Commercial Operation** - Original month and year the facility began production of products for sale.

**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:

\[
1 \text{ KJ} = (0.947817) \text{ Btu}
\]

\[
1 \text{ Metric Ton} = (1.1.023\times2000) \text{ pounds}
\]

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 into a high energy density and homogenously sized product, such as wood pellets, intended for use as fuel.

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

**Destination Port** - port where exported product is destined to arrive.

**Feedstock Types** - Raw biomass intended for densification purchased and received at the facility during the reporting period. Report the volume as received, not the volume actually converted into product in the reporting period.

**Roundwood (timber quality, typically ten inches diameter or more)** - Roundwood typically classified as timber, can be five to ten inches in diameter.

**Roundwood (pulpwood quality less than five inches in diameter at breast height)** - Roundwood, whole-tree chips, or wood residues used for the production of wood pulp, typically less than five inches in diameter.

**Roundwood (pulpwood quality five inches or more in diameter at breast height)** - Roundwood, whole-tree chips, or wood residues used for the production of wood pulp that is five inches or more in diameter.

**Wood Chips from Chip Mill** - Chips produced at a chipping mill of unknown origin.

**Wood Chips, Slabs, Sawdust or Edges from Sawmills** - Sawmill residues in the form of sawdust, chips, shavings, slabs or edges.
Residual Wood Chips, Shavings, or Sawdust from Wood Product Manufacturing - Residual wood material from consumer product manufacturing facilities.

Logging Residues (trimmings and limbs) - Residual trimmings, limbs, chips, or sawdust from logging activities.

Unmerchantable Wood (e.g. off-spec wood, diseased and rotted wood, etc.) - Wood otherwise unsalable.

Bark - Bark from all sources.

Post-Consumer Wood Products (pallets or crates, construction debris) - Wood from pallets, crates or other post-consumer biomass waste.

Agricultural By-Products - Straw, corn cobs or stalks, or other crop residues or by-products.

Revenue Free on Board (FOB) at Plant - Revenue received for sales of product, excluding costs or revenue due to transportation to or from plant, sales taxes, tax incentives, rebates, insurance, etc.

Full-time Equivalent (FTE) Direct Employees - The full-time equivalent of the employees onsite at a production facility, directly employed by the company which owns and/or operates the facility.

Moisture - The water content of a substance (a solid fuel) as measured under specified conditions being the "dry basis." Moisture content in densified biomass fuel is significantly reduced from the raw biomass feedstock, creating a higher density and thermal energy product. Moisture content should be reported as percentage by weight.

Product Types - Densified products such as pellets, bricks, logs or biquettes and the grade or certification standard met for the product.

Reporting Period - Calendar year and month covered in a single submitted report. Data reported should be inclusive of the calendar month for the report. If data are based on other than a calendar month, please provide a comment to describe the reporting period covered by the data.

Retail Sales (to end users) - Sales of product directly to the end user. Retail sales do NOT include sales to distributors, brokers or other entities with intent to resell the products.

Short Tons - Two thousand pounds.

Thermal (Heat) Content - The quantity of heat expressed in Btu contained in one unit of fuel. For the purposes of this report, Btu per pound of densified biomass fuel should be reported. 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 all cost components (transportation, commodity costs, taxes, handling, etc.).

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 products to end users.

Wood Type - Softwood - Gymnosperm (seeds produced without covering, usually in cones) trees
Hardwood - Angiosperm (seeds produced with a covering) trees.