

PRECISION DRY WOOD CHIPS

by **FROLING ENERGY**

PDCs

Froling Energy takes pride in being the first company in the US to make PDCs—a new processed wood chip fuel that is an alternative to wood pellets and green wood chips with many benefits!

PDCs burn cleaner than green chips in biomass boiler systems that are much less costly to build. Most wood pellet boilers larger than 500,000 BTU/hour can be adapted to burn PDCs, however a different fuel storage/transport system is necessary storage space requirements are doubled.

PDCs are not just “expensive chips”. Similar to wood pellets, there is real value in a fuel product that is screened and dried down to 25% moisture content, making it a consistent, predictable fuel product. When combined with Froling Energy’s reliable blower truck delivery service, PDCs are a new biomass fuel with some real advantages. **Net Cost w/NH Thermal RECs = \$.80/gal Oil!**

PDCs are the perfect “in-between” biomass fuel:

- PDCs are 35% less costly than wood pellets -- requiring a slightly more costly fuel storage system.
- PDCs cost more than Green wood chips but the required fuel storage infrastructure is much less costly.
- PDCs can be blown into above ground storage areas through 5” pipes up to 150 feet (similar to pellets). Blower truck deliveries save between \$75,000 and \$150,000 in initial infrastructure costs.



Froling Energy has devised methods and invested in machinery and to precisely and economically produce a consistent, reliable fuel product in mass quantities. Our blower trucks make delivery much easier.



Large pellet boilers and storage bins are Dual Fuel: set up to efficiently burn either PDCs or wood pellets.

Thinking PDCs? Call Froling Energy Today!

www.FrolingEnergy.com

603-924-1001

FEATURES OF FROLING ENERGY'S PDC FUEL OPERATIONS

- **PDCs are manufactured with serious Quality Control.** When you contract for 500 tons of PDCs we assure you of getting a consistent product. You don't need to be concerned about getting badly sized chips, high moisture content or poor grades of wood. Quality is assured.
- **Large in-stock fuel inventory:** An average of 300 tons of finished PDCs are maintained in our covered, 10,000 square foot storage yard. We also aim to have an average of 500 tons of pre-processed green chips in inventory so your needs can be met in harsh winter conditions.
- **Our full time NH Licensed Weighmaster verifies each load** on our truck scale which is certified by the State of New Hampshire. Our Weighmaster marks the weight of each delivery on a signed receipt.
- **Froling Energy is the manufacturer of PDCs, not a fuel broker.** This is our own product which is manufactured in our yard in Peterborough, NH. Deliveries are made in our own trucks.
- **Automatic Delivery & Fuel Inventory Management**—We monitor your on site fuel supply during each delivery with the goal of keeping your PDC fuel bins consistently filled.
- **Annual Fuel Contracts = Automatic Delivery and Assured Price.** Call us today!
- **Froling Energy's Constant Monitoring and Service Contract clients have an advantage:** We can see your system operation in real time, with trouble alerts.
- **Froling Energy has Liability Insurance coverage:** up to \$3 Million with additional Umbrella coverage to \$5 Million. Our bonding capacity is \$2 Million +.
- **We are our own customer!** Froling Energy uses our own PDCs to make more PDCs for you!

PDC SPECIFICATIONS:

- PDCs are a locally sourced fuel, made from sustainably harvested trees that are felled and chipped in the woods of Southwestern New Hampshire
- PDCs are made from bole wood (main stem of a tree)
- PDC chips are screened to be average size of 1.5" long x 1.5" wide x .25" thick.
- Moisture content is assured to be 25%
- Hardwood 90% and Softwood 10%
- Ash content: Less than 2.5%
- PDC volume: 4.9 cubic yards per Ton at 25% moisture (15 lbs per cubic foot)
- Quality Assurance—our fuel is what we say it is. All PDC chips goes through our screening, drying and quality control process before they are delivered to you. If our chips cause a problem in your equipment, we fix it.
- Tramp metal, occasionally found in green chip deliveries, is removed in our processing. Oversized chips, sticks and rocks are also removed.
- HHV Energy Content: 6495 BTU/pound (12,990,000 BTU/ton)
- Renewable Energy Credits: with 84% burn efficiency PDCs yield approx. 3.0 RECs/ton



590 Hancock Road Peterborough, NH 03458 603-924-1001