

The Jackson Laboratory's

Biomass Energy Plant Fact Sheet



At full firing rate, JAX burns two 40-pound bags (residential size) of pellets in one minute or 2.5 tons per hour.

We offset over 1.1 million gallons of fuel oil with Maine-grown wood products.

The plant creates enough steam to heat the equivalent of over 400 Maine homes on the coldest day.

The stream turbine can produce 2.2 million kWh each year, which is enough electricity for over 280 homes.

The plant reduces the need to extract, refine, transport, and burn fossil fuels.

The biomass plant cuts 11,800 metric tons of CO₂ from JAX's carbon footprint when compared to heating oil.

Our plant meets all DEP/EPA emissions requirements.

We generate power under 3-cents per kWh.

We can store a week's worth of pellets, reducing the risk of an interruption in fuel supply.

The burner/boiler can fire oil and wood and could be modified to burn propane.

The technology is milling wood pellets into dry powder and firing like liquid fuel. All ash is captured in a baghouse before the stack.

The boiler uses a conventional industrial water tube boiler traditionally used for oil and gas steam production.

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