**VALUE PROPOSITION AND DIFFERENTIATORS**

NREL’s partners can generate both cost-competitive renewable fuels at yields greater than 70 gallons per ton of biomass and high-value chemicals and materials from a versatile bio-oil intermediate to meet regulatory mandates and public demand:

- **Greater than 60% reduction** in greenhouse gas emissions compared to petroleum-sourced fuels
- Stabilized, refinery-compatible bio-oil reduces downstream hydrotreating and separations costs
- Oxygenated products for novel polymer synthesis
- Woody feedstock cost decoupled from petroleum.
WE ARE SEEKING STRATEGIC PARTNERSHIPS AND COOPERATIVE RESEARCH AND DEVELOPMENT

- Feedstock suppliers (forest and agriculture) looking to generate additional revenue through bioproducts and biofuels, taking advantage of available RINs
- Farms, orchards, and agricultural entities seeking improved sustainability and profits by converting their waste and residues into bioproducts
- Refiners looking to meet regulatory mandates California Air Resources Board and RFS programs through bio-oil co-processing, and those seeking routes to renewable chemicals
- Airlines in search of renewable jet fuel blendstocks to comply with international policy
- States, cities, and municipalities targeting a versatile platform to commoditize renewable feedstocks
- Catalyst manufacturers and technology providers seeking to expand product offerings into renewable fuels and chemicals markets
- Polymer manufacturers seeking cost-effective renewable feedstocks with potential performance advantages.

CONTACT US to discuss how our technology can address your needs

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Sources: FutureMetrics, Pellet Price Database; U.S. Energy Information Administration, Petroleum & Other Liquids.”

Cost reductions through targeted R&D combined with renewable fuel policy incentives* can reduce commercialization risk.

* Renewable Fuel Standard (RFS) and Low Carbon Fuel Standard incentives are market-based and may fluctuate over time.