Building the Connection between forests and forest products!

Wood Innovations Program

Building Markets and Expanding Capacity
NO MARKETS ... NO MANAGEMENT
CONFRONTING THE WILDFIRE CRISIS
Expanding efforts to deliver on the Wildfire Crisis Strategy

Wood Innovations Program

• 2018 Farm Bill
  – Wood Innovations grants
  – Community Wood facilities grants

• Bipartisan Infrastructure Law (BIL)
  – Wood Products Infrastructure Assistance grants (Partnership with NFS
  – Temporary Water Crossings
  – Firewood Banks

• Inflation Reduction Act (IRA)
  – Wood Innovations grants
  – Transportation assistance
Priorities

- Mass Timber and Green Building
- Biomass Priorities
  - Biomass Power
  - Biofuels
  - Biochar
- Hardwood Applications
- Logging Industry
- Firewood Banks
- Feedstock Sustainability
- Urban Wood Utilization
- Communications
Current State of Mass Timber Projects
As of March 2023, in the US, 1,753 multi-family, commercial, or institutional projects have been constructed with, or are in design with, mass timber.
Lumber and Veneer-based Cross-laminated Timber (CLT) plants

- *Sterling Lumber (IL)
- SmartLam (AL)
- *Vaagen Timbers (WA)
- Mercer (WA)
- *SmartLam (MT)
- *Freres (OR)
- DR Johnson (OR)
- Boise Cascade (OR)
- *Euclid (UT)
- *Timber Age Systems (CO)
- *Operating plants
- Structurlam (AR)
- *Texas CLT (AR)
- *SmartLam (AL)
- Sterling Lumber (TX)

Canada
- Nordic (Quebec)
- StructureCraft (BC)
- Structurlam (BC)
- Element5 (Quebec)
- LEAF (Ontario)
Biomass Power

Photo courtesy of Biomass Power Association
Heating, Cooling and Combined Heat and Power Systems

Wood Energy Technical Assistance Team

Supporting clean and efficient use of wood for energy
- Feasibility Studies
- Energy Efficiency
- System Metering
- Technical Assistance
- Emissions Reduction

125 Projects in 31 States (81% Public / Non-Profit including 14 Tribal Projects)

Potential Benefits Identified

- Gas, Oil Offset (~4 Billion gal Oil)
- $1.5 Billion Energy Savings
- 4.0 Billion kWh Renewable Electric (~15,250 Homes)
- 11.0 Million Tons CO2e Offset
- Use 61 Million Tons Wood Residue
- $2.5 Billion Spent Locally on Forest Residues
- 19,700 Forestry Jobs Sustained
- $724 Million Project Costs Leveraged

Over 25-yr Project Life

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Transportation fuels: Liquid aviation drop-in fuel, hydrogen, biodiesel, etc.

Heating fuel: “generate heat to warm buildings or other facilities where people live, work, recreate, or conduct other activities.”

Electric power: Charging electric vehicles
Cross Agency Team
- State, Private, and Tribal Forestry
- Research and Development
- National Forest System

Key Partners
- U.S. Biochar Initiative
- U.S. Endowment for Forestry & Communities
- Air Burners, Inc.

Help NOT Hype!

**FORESTS & BIOCHAR**
Excess forest fuels and salvage wood create energy and help build healthy soils
Biochar Field Trials, 2020-2023
We are working with the logging industry to support markets for wood and to support workforce development.
2023 Wood Innovations Grants, Community Wood Energy Grants (EMBARGOED)

120 projects/$43 million
We are investing Bipartisan Infrastructure Law funds to support Facilities that Use Byproducts from Federal and Tribal lands. 65% of the projects will support facilities in disadvantaged communities.

41 projects / $29 million