



Forest Service  
U.S. DEPARTMENT OF AGRICULTURE

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# R5 Wood & Biomass Utilization Program

## 2023 Updates

July 17<sup>th</sup>, 2023

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USDA Forest Service

Region 5 State and Private Forestry

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# Our Team



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# Program Goals

Advancing markets and innovations in wood products and biomass that support forest restoration, wildfire risk reduction, and community resilience

- Retain and expand wood processing capacity
- Develop and share resources about biomass utilization
- Support innovations in wood and biomass utilization technology and market development through grants and technical assistance



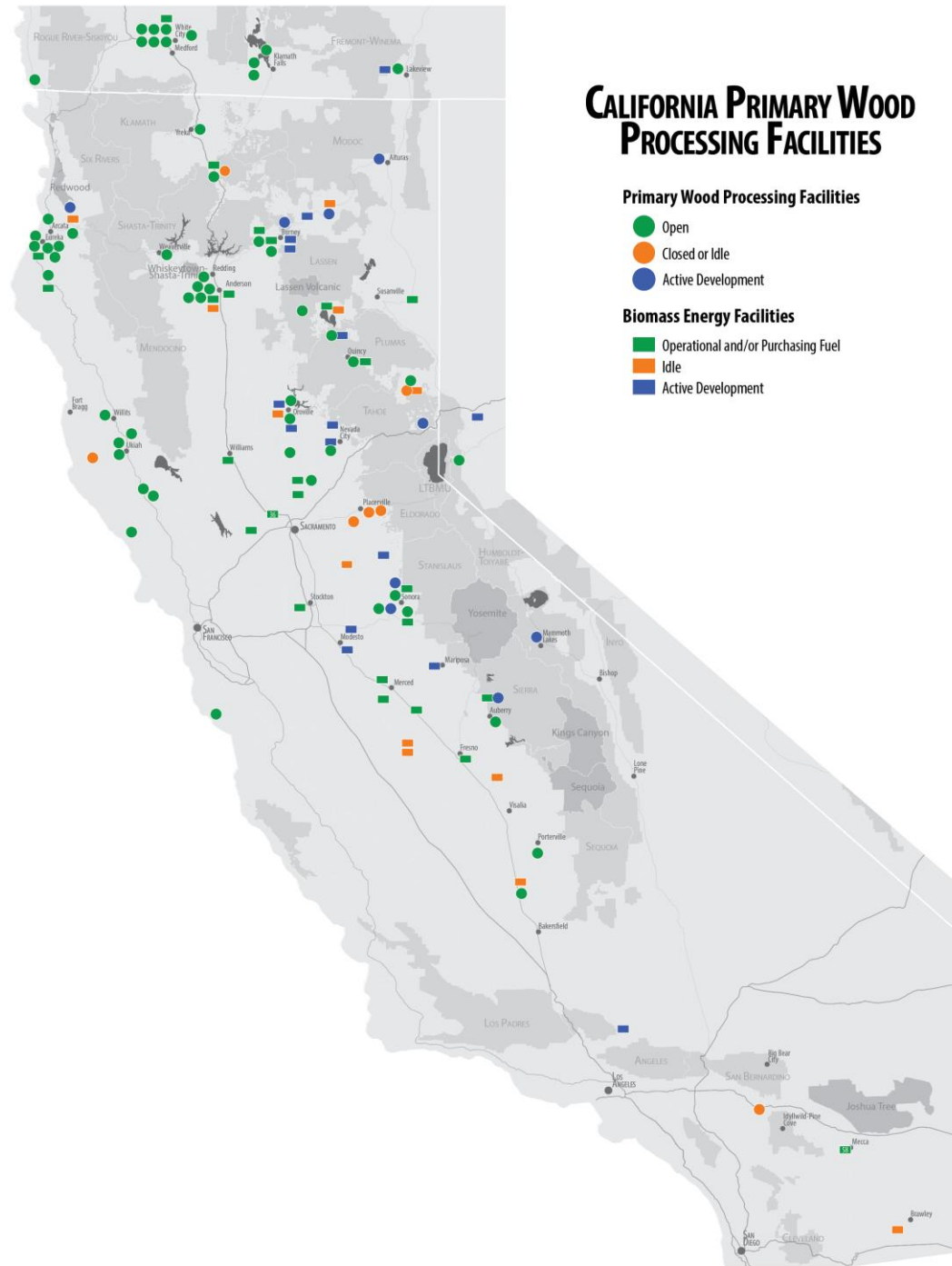
# CALIFORNIA PRIMARY WOOD PROCESSING FACILITIES

## Primary Wood Processing Facilities

- Open
- Closed or Idle
- Active Development

## Biomass Energy Facilities

- Operational and/or Purchasing Fuel
- Idle
- Active Development



# National Grant Programs

- \$300-1,000,000 to non-federal partners for projects that support markets for wood and biomass
- \$13 million awarded to 29 projects in R5 in 2023
- Wood Innovations
- Community Wood
- Wood Products Infrastructure Assistance
- <https://www.fs.usda.gov/science-technology/energy-forest-products/wood-innovation>



# Wood Innovations

- Up to \$300,000 to support markets for wood and biomass
- Focus areas:
  - Wildfire crisis landscapes
  - Near term wood utilization
  - Potential for large scale utilization in medium term
  - Wildfire recovery
  - Mass timber, biofuels and other innovative wood products





# Community Wood

- Up to \$1,000,000 (\$1.5 with special consideration)  
Shovel Ready projects only
- Grant must be no more than 35% of total capital costs
- Community wood facility: **Thermally led** wood energy less than 5 MW
- Innovative wood products facility: manufacturing innovative wood products or using innovative processes





# Wood Innovations & Community Wood - 2023 Numbers

- \$43 million awarded nationally to 123 projects
- \$4 million awarded to 15 projects in California



APPLICANT / TITLE	FUNDING
<b>Mono County</b> The Missing Link: Solving Biomass Utilization Needs in the Eastern Sierra	\$299,889
<b>Karagozian &amp; Case, Inc.</b> Development of Progressive Collapse Guidance for Mass Timber Systems	\$67,470
<b>Hat Creek Lumber</b> Hat Creek Lumber	\$300,000
<b>West Biofuels LLC</b> Mariposa Forest Biomass to Renewable Bioenergy and Biochar	\$300,000
<b>Arbor Energy and Resources Corporation</b> Gasification demonstration to support the development of a biomass gasification plant in Placer County, CA	\$300,000
<b>Auberry Sawmill Inc.</b> Auberry Sawmill Improvement 2023A	\$225,000
<b>Franklin Logging, Inc.</b> Replace and Upgrade Planer Infeed System, Shasta Green Sawmill, Burney, CA	\$300,000
<b>Blue Forest Finance</b> Technical Assistance for Wood Utilization Entrepreneurs	\$125,000
<b>Angel City Lumber</b> Angeles National Forest x Angel City Lumber VG Flooring Project	\$81,000
<b>Indian Valley Community Service District</b> Advancing Wood Energy Microgrids for IVCS and the Community of Greenville	\$90,055
<b>Mote, Inc.</b> Mote Scaramento Carbon Negative Hydrogen Project 1	\$175,000.00

# Wood Products Infrastructure Assistance

- New in FY23
- Up to \$1,000,000 to expand or build facilities that process wood from **federal and tribal land**
- No matching requirement, 25% leverage



# WPIA- 2023 Numbers

- \$29 million awarded nationally
- \$9.3 million to 14 projects in California
- 4 facility expansion, 10 new facilities





APPLICANT	FUNDING
Blue Mountain Electric Company, LLC	\$1,000,000
Camptonville Community Partnership	\$265,948
Community Renewable Energy Services, Inc	\$990,058
Franklin Logging, Inc	\$694,228
G.C. Forest Products, Inc	\$884,000
Golden State Natural Resources, Inc	\$500,000
Hat Creek Construction and Materials, Inc	\$387,900
High Desert Lumber, LLC	\$474,000
Hoopla Valley tribe -Hoopla Forest Industries	\$796,923
Lignum Support, LLC	\$1,000,000
Miracle Forest Products, LLC	\$370,000
Phoenix Biomass Energy	\$449,389
Plumas Corporation	\$1,000,000
Trinity River Lumber Company	\$500,000



# 2024 Timeline

- Expect announcements for Wood Innovations, Community Wood and Wood Products Infrastructure Assistance Programs in late fall or early winter 2023/24
- Reach out to discuss project ideas





- Technology status
- Potential to help with forest management
- Market size/ need
- Other considerations- climate, equity, timeframe





# Questions, Comments, Ideas?

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