



Forest Service
U.S. DEPARTMENT OF AGRICULTURE

2022 Wood Innovation and Community Wood Grants: California Results!

6/15/2022

Helena Murray

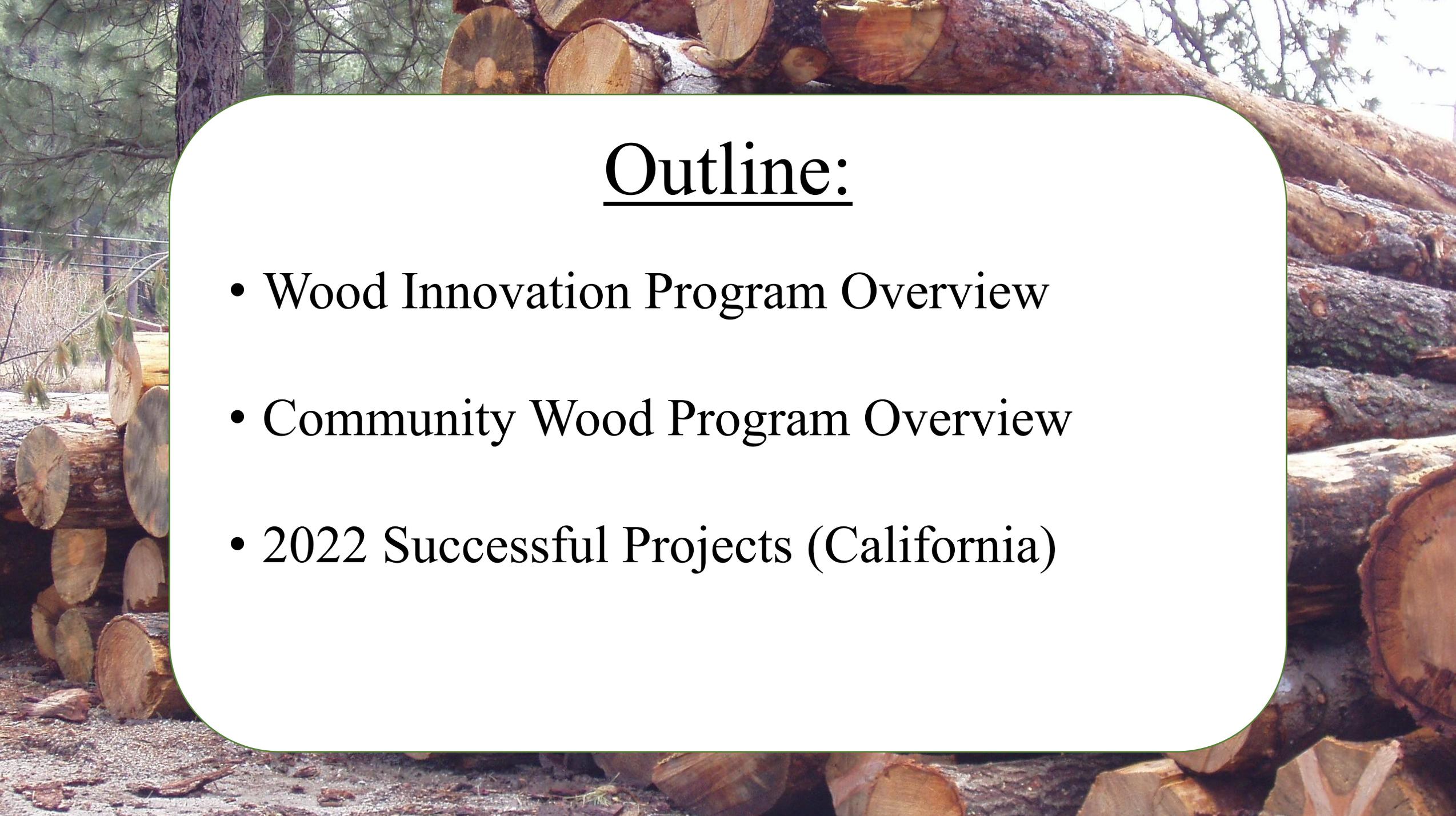
USDA Forest Service

Region 5 State and Private Forestry

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Outline:

- Wood Innovation Program Overview
- Community Wood Program Overview
- 2022 Successful Projects (California)

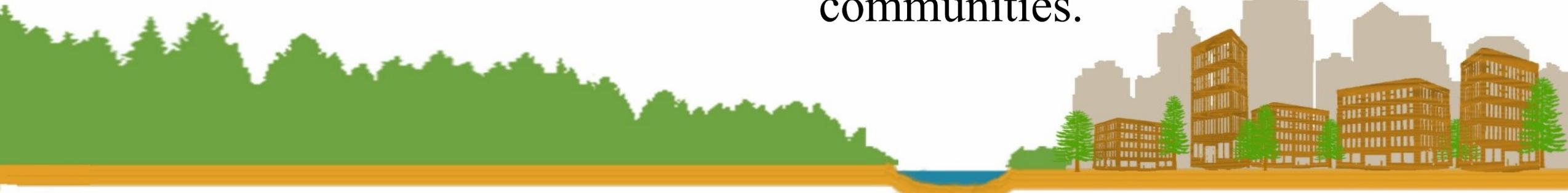


Purpose:

Significantly stimulate or expand wood products markets and wood energy markets to support the long-term management of National Forest System and other forest lands.

Priorities:

- Reduce hazardous fuels and improve forest health on National Forest System and other forest lands.
- Reduce costs of forest management on all land types.
- Promote economic and environmental health of communities.

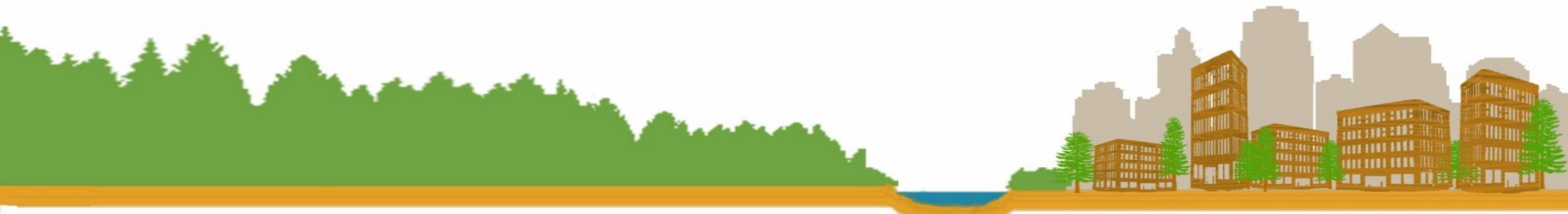




USDA Forest Service
Wood Innovations

Community Wood Grant

- Support forest health and stimulate local economies by expanding renewable wood energy use and innovative wood products manufacturing capacity
- “Shovel-ready” projects only (must be completed during grant period- no additional time or funding required)
- Up to \$1 million/ project
- Up to 35% of the total capital costs of completing the project



California

- Catastrophic wildfires - Over 2.5 million acres burned and 3,600 structures damaged or destroyed in 2021, and over 4 million acres burned and 10,000 structures damaged or destroyed in 2020
- Large-Scale Tree Mortality - Drought and bark beetles (over 190 million dead trees since 2010)
- USFS/State of California – Gov. Newsom and the USFS signed an agreement in 2020 to work together to treat 1 million acres of forest annually
- Excess Biomass - Forest restoration treatments and fire salvage could produce millions of tons of woody biomass each year

California

Priority: Increase **pace** and **scale** of forest treatment and restoration, and/or utilize salvage timber and biomass from wildfires where local capacity is limited

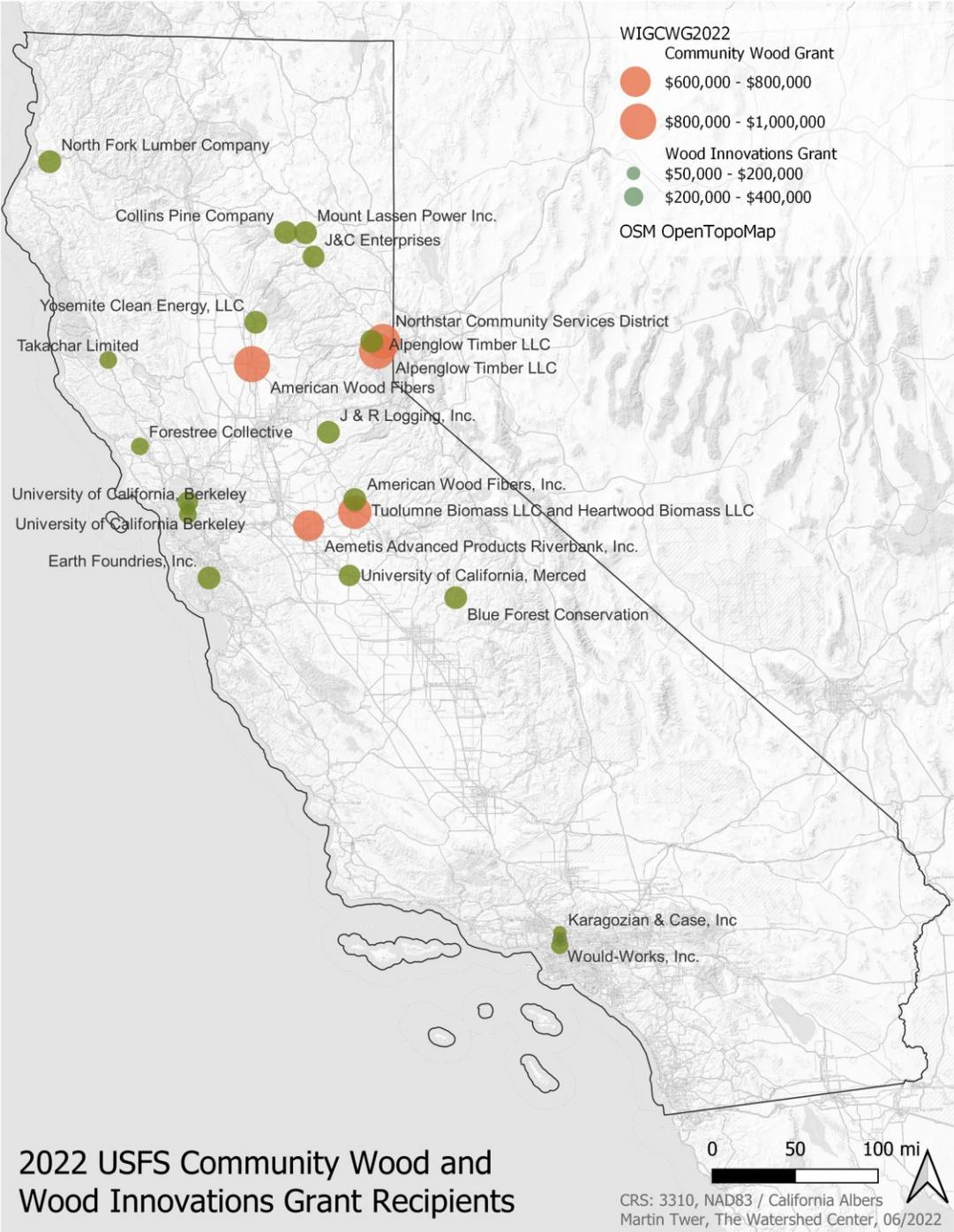
Pace – Ideally, able to begin using more wood within 12 months

Scale – Looking for utilization of thousands of tons, leading to tens of thousand of tons annually

AND/OR show a clear path to significant future opportunities for wood and biomass utilization

Results!

- \$7.6 Million to 22 Projects in California
- Range from R&D to new markets to traditional wood products processing
- 17 Wood Innovations Grants
- 5 Community Wood Grants



Region 5 Community Wood Grants:

Innovative Biomass Utilization in Tuolumne County CA	Tuolumne Biomass LLC and Heartwood Biomass LLC	Chinese Camp, CA	\$800,000
Innovative Wood Product Expansion into Western US Market	American Wood Fibers	Marysville, CA	\$1,000,000
Small, Commercial-Scale Production of “Carbon Zero” Biofuels from Forest Biomass	Aemetis Advanced Products Riverbank, Inc.	Riverbank, CA	\$642,077
Northstar Community Services District Biomass Energy System	Northstar Community Services District	Truckee, CA	\$1,000,000
Alpenglow Timber: Thermal Wood Energy to Support New Sawmill Project	Alpenglow Timber LLC	Truckee, CA	\$911,000

Region 5 Wood Innovation Grants:

Tools for forest biofuels market development in California	University of California, Berkeley	Berkeley, CA	\$102,520
Design and implementation of high-performance solar kilns for California feedstock and climate	University of California Berkeley	Berkeley, CA	\$172,020
Sawmill Upgrade to Produce Higher-Value Lumber from Fire Salvage Logs	Collins Pine Company	Chester, CA	\$250,000
Wildfire recovery and community rebuilding through a small-scale sawmill operation	J&C Enterprises	Crescent Mills, CA	\$218,500
Demonstration of a Cost-Effective CLT Panel Capable of Resisting DOS/DOD Design Basis Threats – Phase II	Karagozian & Case, Inc	Glendale, CA	\$92,200
Shavings Plant Expansion with New Innovative Technology-Jamestown, CA	American Wood Fibers, Inc.	Jamestown, CA	\$250,000
North Fork Lumber 5MW Biomass Conversion, Design & Permitting	North Fork Lumber Co	Korbel, CA	\$250,000

Innovative Technology-Jamestown, CA	Fibers, Inc.	CA	
North Fork Lumber 5MW Biomass Cogeneration Design & Permitting	North Fork Lumber Company	Korbel, CA	\$250,000
LA TIMBER BRIDGE: Forest trees to furniture built for/by the unhoused in LA	Would-Works, Inc.	Los Angeles, CA	\$50,000
Natural Fiber Insulation Material from Forest Biochar for Sustainable Fire-Resistant Buildings	University of California	Merced, CA	\$207,361
Winch Assisted Attachment Installation for Steep Slope Harvesting	J & R Logging, Inc.	Mt Aukum, CA	\$249,050
Engineering to support development of a wood waste to biofuel gasification plant in the Northern Sierra Nevada	Yosemite Clean Energy, LLC	Oroville, CA	\$250,000
SF Bay Area Targeted Biochar Marketing Strategy Implementation: Compost Amendments, Storm Water Remediation & Manure Management.	Earth Foundries, Inc.	Saratoga, CA	\$250,000

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Forestree Collective: increasing wood products manufacturing & markets	Forestree Collective	Sebastopol, CA	\$100,000
Forest Resilience Bond to Support Post-Fire Restoration	Blue Forest Conservation	Shaver Lake, CA	\$249,130
Alpenglow Timber: Wood Processing Infrastructure Project	Alpenglow Timber LLC	Truckee, CA	\$250,000

A large stack of cut logs in a forest setting. The logs are piled high, showing various cross-sections of wood. Some logs have orange markings on their ends. The background shows a dense forest of tall trees.

Questions?

Helena Murray

Helena.Murray@usda.gov

707-980-2375

Wood Innovations Homepage: <https://www.fs.usda.gov/science-technology/energy-forest-products/wood-innovation>