

## Ranking of Project Proposals for Priority Consideration, FY 21/22

### Proposed Projects Left Unfunded from 2020 Priority Discussion

Note: Some unfunded 2020 proposals captured global concepts, but were not flushed out enough to be defined.

10.08	Chemically/Thermally Modified Wood for Home Hardening 2021 Update: Since last year, further discussions suggest this may be challenging and it's likely a design issue more than a utilization one; other funded programs may pursue home hardening opportunities
6.69	Forest Residue Emissions Benefits Mobilization (HSU as partner)
6.31	Forest Biofuels Production Feasibility and CO2 Sequestration 2021 Update: Consider including an assessment of realistic commercialization timelines and individual plant capital cost estimates
5.62	Use of Nonmerchantable Wood for Structural Wood Products

### 2021 Priority Project Proposals

5.69	Biochar - Best practice guide/standards, value to soil and embodied carbon content defined
6.69	Biochar - Pathways assessment and voluntary market protocol
3.15	CLT - mixed species product layups, with lower grade species in internal layers
4.69	CLT - White fir species product layups using different adhesive than first project to see impacts to delamination finding of previous project when using samples with knots close to the glue line *note that adhesive formulations are updated by companies often
3.77	CLT - Conduct white fir species product layup project again using more automated system and then have tested at OSU to see how automation impacts outcomes
5.46	Forest Biofuels - Development of Tier 1 Lifecycle accounting model for forest biofuels production in CA for potential use under the State's Low Carbon Fuel Standard
5.69	Nanocellulose - Do cellulose nanocrystals (CNC) improve the service life of concrete by increasing the time to corrosion? – See proposal explanation following priority ranking document.
7.15	Salvaged Wood - Research and demo ways to extend life of fire salvage saw and veneer logs, including a study of water availability for traditional log wetting, reservoir storage, and/or other means. Note: Logs float, so would have to be weighted to obtain full immersion.
7.23	Workforce Development - Wood-based competition at elementary/high school level to create interest and hopefully increase recruitment