

Biomass Pilot Impact

Making a difference in climate resilience & wildfire risk reduction



Emergency Preparedness

- 🌲 Processed 5,262 tons of biomass, removing hazardous fuels to strengthen emergency preparedness in key evacuation zones.

Climate Resiliency

- 🌲 Sequestered 490 tons of CO₂ – equivalent to removing 106 cars' annual emissions – while producing 163 tons of biochar for local agricultural use.

Community Collaboration

- 🌲 Supported BLM, Yuba Watershed Institute, Department of Public Works, and residents with debris removal and resilience projects across Nevada County communities.



earth foundries

Why It Matters

The Biomass Pilot Project is a significant step toward enhancing **climate resiliency** and improving **emergency preparedness**.



Safer Communities

By reducing excess woody biomass near the source, wildfire risks are lowered, making Nevada County safer for everyone. Fewer miles traveled for wood transport also means less heavy equipment on local roads, improving overall safety.



Cleaner Environment

This project helps cut down greenhouse gas emissions by minimizing transportation and enhancing wood management methods. In addition, the biochar that is created improves soil health and sequesters carbon, supporting a healthier environment for future generations.



Stronger Forests, Stronger County

Large trees in healthy forests store more carbon. Removing excess fuel and transforming the woody biomass into biochar creates a value-added product. The outcome is greater ecosystem and community resilience.



Project Budget: \$333,592

Site Improvements: \$149,592

- SCO Engineering + Permitting: \$43,812
- Road + Waterline Improvements: \$87,718
- Construction Management: \$18,062

Professional Services: \$184,000

- Earth Foundries: \$96,000
- Mountain Enterprises: \$88,000



July – November:
Permitting + Planning



November – January:
Stockpiling wood



January – March:
Carbonizer Operations



March – May:
Site cleanup + Biochar
Distribution



May – June:
Finalize findings and reporting