



Fact Sheet

For Immediate Release

Humboldt Sawmill Biomass Plant

Humboldt communities benefit from renewable power when forest residuals are used as fuel to create steam, which generates power, at the Scotia Power plant. Biomass power is efficient, economical and good for the environment. The steam generated at the plant serves a second function of drying wood at the mill. Woody debris from the forest and sawdust from the mill serve as the fuel for the plant, which brings a great economic benefit to our company and the communities we serve. Humboldt Sawmill Company utilizes all materials derived from the lumber making process, which creates a massive reduction in waste and transportation of products, and that is good for the planet.

Compliance with State And Federal Air Standards

The North Coast Unified Air Quality Management District issued a Permit To Operate (PTO) for the biomass plant owned by Humboldt Sawmill Company. The PTO requires ongoing testing for Particulate Matter (PM) and Visible Emissions Monitoring (VEM) which is how operators view the opacity coming from the smokestack to monitor for issues. The facility opacity monitors maintain 6 minute average data continuously. Calibrations are performed daily on the monitoring system and all data and documents are available to the NCUQAMD on request. In 2022 a 6.4 magnitude earthquake struck, which impacted the power plant. This resulted in Notice of Violations (NOV) being issued by the NCUQAMD which were addressed by performing necessary repairs. Regulations are the containers that guide the work at the power plant. If a violation occurs, repairs are quickly made to remedy the situation. The plant continues to operate in compliance with our Title V Permit by following all regulations applicable.

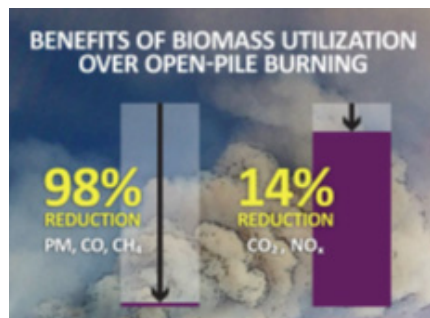
Biomass Power Helps Reduce Wildfire Risk

According to the California Air Resource Board, California has more than 25 million acres that are classified as very high or extreme fire threat. Eleven million people live in that high risk area. Wildfires are not only more frequent, but far more devastating. To reduce the risk of catastrophic wildfire the governor of California has pledged to reduce fuels by 1 million acres on an annual basis by 2025. This includes acres managed under Timber Harvest Plans. The byproduct of the logs milled by Humboldt Redwood Company are used as fuel at the HSC biomass plant. These forest treatments protect California forests and people from wildfire, and the residuals are used for clean energy.

The Carbon Footprint of Biomass Power

Using biomass power is supported by the California EPA and the California Natural Resources Agency as reported in the California Forest Carbon Plan. In California, fuel for biomass facilities consists of byproducts from forest treatments, lumber production, and agricultural residues. When biomass is produced in this way, the full lifecycle emissions of the material have to be considered against the alternative fates of that material. When wood in the forest rots or decays it releases methane, or it could burn in a pile or potentially a wildfire. No matter the outcome, it will create some form of emissions at the end of its lifecycle. Here's what the California Forest Carbon Plan has to say about it.

"Biomass energy cuts methane- a super potent short-lived climate pollutant that is also a greenhouse gas- by 98 percent compared to pile and burn of forest or agricultural waste."



Source: California Forest Carbon Plan, Prepared by CA EPA and CA Natural Resources Agency
See also Forest biomass diversion in the Sierra Nevada: Energy, economics and emissions
<https://calag.ucanr.edu/archive/?article=ca.v069n03p142>

Humboldt Redwood Company has a long-standing tradition of taking people to see the property at the place of their choosing. This includes our manufacturing sites. To find out more, visit <https://www.hrllc.com/contact> to schedule a tour.

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