

TAKING WOOD TO NEW HEIGHTS

Led by Washington State University and funded by the USDA National Institute of Food and Agriculture, the Northwest Advanced Renewables Alliance (NARA) is helping to develop a sustainable industry in the Pacific Northwest that uses wood and wood residuals to make aviation biofuel and valuable co-products. The alliance includes public universities, government agencies, private industry and interested stakeholders and is tasked with delivering the following:

-  Sustainable aviation biofuel from woody biomass
-  Value-added polymer and carbon products from lignin
-  Regional supply chain coalitions
-  Rural economic development
-  Bioenergy literacy

NARA: FIVE TEAMS

-  **Education:** Engage citizens, meet future workforce needs, enhance science literacy in biofuels, and help people understand how they're going to fit into the new energy economy.
-  **Sustainability Measurement:** Evaluate and assess environmental, social, and economic viability of the overall wood to biofuels supply chain, guiding the project as it goes forward.
-  **Feedstocks:** Take a multi-pronged approach for the development and sustainable production of feedstocks made from wood materials, including forest and mill residuals, municipal solid waste, and specialty energy crops.
-  **Conversion:** Provide a biomass-derived replacement for aviation biofuel and other petroleum-derived chemicals in a way that is economically and technologically feasible.
-  **Outreach:** Serve as a conduit between researchers and community stakeholders, helping to transfer the science and technology of biofuels and important co-products to communities in the Northwest.

AFFILIATED ORGANIZATIONS

- Catchlight Energy
- Facing the Future
- Gevo, Inc.
- GreenWood Resources
- US Forest Service, Forest Products Laboratory
- US Forest Service, Pacific Northwest Research Station
- Montana State University
- The National Center for Genome Resources
- Oregon State University
- Penn State University
- Salish Kootenai College
- University of Idaho
- University of Minnesota
- University of Montana
- University of Washington
- Washington State University
- Western Washington University
- Weyerhaeuser

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