

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 residuals to make biojet fuel 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's 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 derived from forest residuals and construction and demolition wood waste.



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 co-products to communities in the Northwest.

NARA MEMBERS

- Alaska Airlines*
- ANDRITZ*
- Biomass ad Infinitum LLC
- Catchlight Energy
- Compania Logistica de Hidrocarburos *
- Cosmo Specialty Fibers Inc.*
- Facing the Future
- Forest Business Network 110.*
- Gevan Marrs LLC
- Gevo, Inc.
- Greenwood Resources
- ICM*
- Montana State University
- National Center for Genome Research
- National Renewable Energy Laboratory*
- Oregon State University
- Penn State University
- Salish Kootenai College*

- South Hampton Resources Inc.*
- Steadfast Management Inc.
- Thomas Spink Inc.
- University of Idaho
- University of Minnesota
- University of Montana
- University of Utah
- University of Washington
- University of Wisconsin -Extension
- USDA Forest Products Lab
- USDA Forest Service
- Washington State University
- Western Washington University
- Weverhaeuser
- *Affiliate Members All NARA members contribute to the project. Full members participate under NARA non-disclosure and intellectual property agreements. Affiliate members participate under a NARA non-disclosure agreement only.

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