

hardwoodbiofuels.org

Advanced **Hardwood Biofuels** Northwest

## TREES Workshop Results

# PNW Roadmap:

Toward Renewable Energy & Ecosystem Services

WASHINGTON STATE UNIVERSITY  
 EXTENSION



Feedstock



Conversion



Sustainability



Education



Extension



United States  
Department of  
Agriculture

National Institute  
of Food and  
Agriculture

# About the Workshops

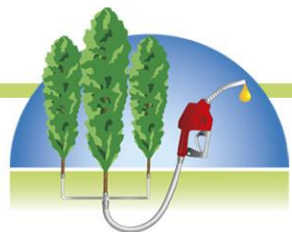
Opportunities and barriers to using poplar trees for ecosystem services and bioenergy were explored during group discussions.

## Small and Large Scale Applications



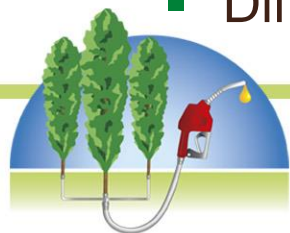
Economics

Policy & Regulations



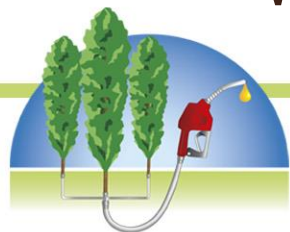
# Application Workshops

- Examples of different scales of poplar applications
  - Biomass acreage supplying biorefinery
  - Watersheds
  - Wastewater treatment region
  - Buffers riparian or roadside
  - Diverse large-scale applications with poplar a piece of the puzzle
- Innovative ideas for poplar products
  - Chips for stormwater management
  - Fire reduction
  - Safety alongside roads
- Barriers
  - Lack of poplar wood quality guidelines
  - Lack of ecosystem service markets
  - Difficulty entering wood products markets as a small operation



# Economics

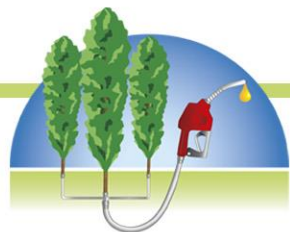
- People need to make money
- Political and market uncertainty is a problem
- Saving people money versus profit
- Contracting is necessary to decrease risk
- Need a coordinating group
  - people to provide land, trees, processing, payment, etc.
- Potential of stacking benefits
  - water quality and cooling + carbon storage + biomass



# Policy and Regulations

No easy answer for turning science into policy, but....

- Offer incentives, not mandates
- Find common ground
  - Get diverse interests to the table
  - Know the hot button topics for stakeholders
    - i.e. buffers for farmers
- Make permitting easy
  - provide reliable, consistent “go-to” people
  - streamline regulations



# Want more workshop details?

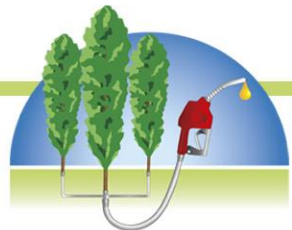
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