



Department of Agriculture Forest Service

The Opportunity & Potential



Photo: Jake Eaton, Podtatch Corporation



Feedstock

- Forest Residues
- Hazardous Fuel Treatments
- Short Rotation Woody Crops
- Wood Waste
- Conventional Forestry
- Mill Wastes & Residues



Conversion

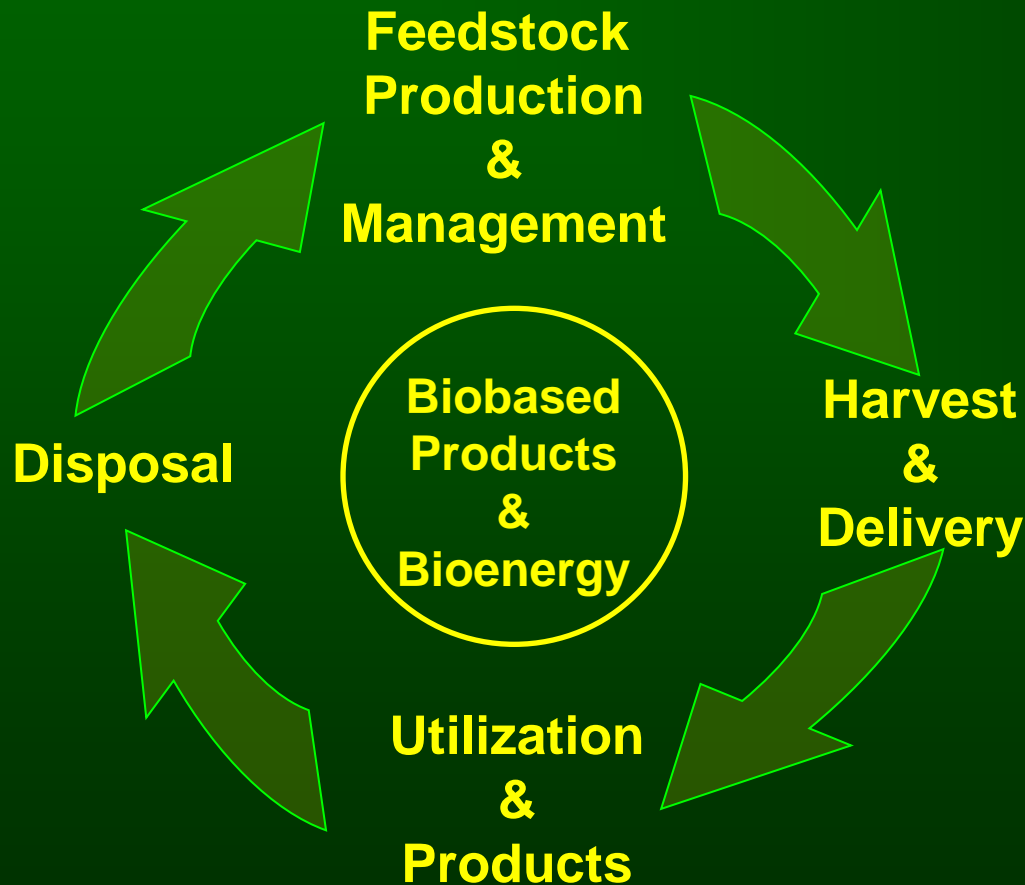
- Manufacturing
- Co-firing
- Combustion
- Gasification
- Hydrolysis
- Digestion
- Pyrolysis
- Extraction
- Separation



Uses

- Fuels:
 - Ethanol
 - Other Liquid Fuels
 - Hydrogen
- Electricity and Heat
- Biobased Products
 - Composites
 - Specialty Products
 - New Products
 - Chemicals
 - Traditional Products

Integrated Biobased Products And Bioenergy Approach



- Research & Development
 - Synthesis
 - Development of
 - options
 - strategies
 - systems
 - practices
- For sustainable goods,
services, & values

Critical Research

- Sustainable and economical forest biomass management and production systems for public & private ownerships
- Competitive biofuels and biopower conversion technologies and bioproducts
- Information and tools for decision-making and policy analysis

