

NEW PUBLICATION: A comprehensive analysis and outlook on North America's bioenergy sector.

RISI's study, *North American Bioenergy Review*, will provide an up-to-date analysis of structural developments in the biopower, pellet and biofuels industries in the United States and Canada including forecasts to 2015. The report will provide insight on how biomass availability will impact the industry's growth, considering also how the industry's production cost structure, profitability, subsidies and incentives impact the ability to compete for and cover fiber costs. Developments in North America will be influenced significantly by export demand for pellets and other biomass, and this report will uncover the impact of this increasing international trade on regional supply.

RISI's *North American Bioenergy Review* covers the following key themes:

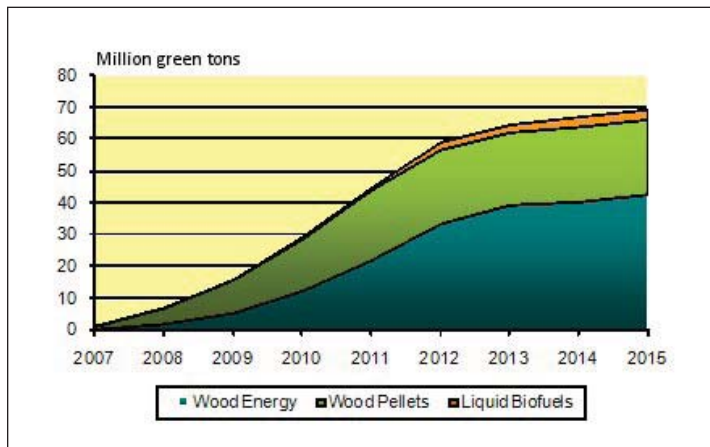
- Demand and supply outlook for pellets, biopower and biofuels in North America to 2015. What are the key drivers?
- The role of subsidies in driving industry investments and competitiveness.
- Regional wood biomass availability and opportunities, including demand from traditional end-user industries. Impact of fiber price changes to available biomass supply.
- Competitiveness of bioenergy industry as a buyer for wood biomass, relative to traditional end-user industries.
- Biomass fiber supply and ability to pay for fiber as potential constraint for supply development.
- Regional costs of wood biomass, including costs of harvesting, processing and transport.
- Wood biomass price outlook to 2015 by region.



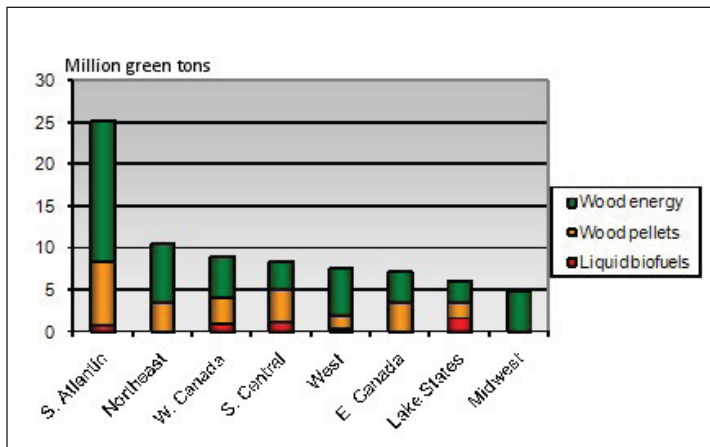
What is covered in RISI's North American Bioenergy Review?

Bioenergy industry capacity is expected to more than double by 2015, creating tremendous demand growth for wood biomass and intensifying competition for fiber supply. From the perspective of traditional end users of wood fiber, the growth of the bioenergy sector will change the playing field for wood biomass supply. For producers of pellets, power and biofuel, access to a competitively priced and secure fiber supply is critical for success. This

study analyzes these dynamics, provides insight into the North American regional fiber supply and demand characteristics, and describes the competitive environment and the relative wood biomass availability. The study considers the multitude of key industry drivers in developing forecasts to provide a realistic and well-researched outlook for the North American bioenergy sector and wood biomass demand and price development.



Cumulative, new North American wood biomass demand to 2015 from projects with confirmed start dates.



New North American wood biomass demand by region to 2015.

Who should purchase RISI's North American Bioenergy Review?

- Major forest owners seeking to understand the long-term demand for wood biomass energy, how quickly it will develop and how sustainable it will be.
- Pulp and paper companies looking at competition for fiber and/or possible opportunities for expanding energy production.
- Equipment suppliers wanting perspective on the demand for specialized harvesting equipment, chippers, trucks, pelletizing equipment, etc.
- Power companies developing or considering investments in biomass power facilities.
- Companies involved in developing wood pellet or biofuel plants.
- Banks, hedge funds and other investors needing perspective on biomass energy development and the risks involved.
- Transport companies – rail companies looking at transporting pellets, chips, biomass for energy within the US and shipping companies looking to transport chips/pellets to Europe.

GEOGRAPHIC COVERAGE

- United States
- Canada

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Demand Outlook to 2015

- Biopower
- Pellets
- Biofuels

Analysis of Key Drivers

- Policy framework: renewable energy targets and incentives
- Role of biomass based energy in the energy mix
- Production economics and energy prices
- Technology
- International trade

Industry Structure

- Key players
- Industry capacity outlook
- Structural changes
- Supply chain integration and logistics trends

Biomass Supply

- Supply by grade
 - Mill residues
 - Logging residues
 - Pulpwood
 - Other wood biomass
- Drivers of availability: harvesting technology, fiber prices, harvest, etc.
- Regional fiber competition, relative supply, opportunities/threats
- Regional competition for fiber and relative fiber availability and prices
- Demand trends from traditional fiber consuming industries
- Fiber supply trends and regional fiber supply characteristics
 - Eastern and Western Canada
 - US South, West, North, Northeast
- Sensitivity of supply to changes in fiber prices
- Fiber sourcing: logging and procurement innovations, cost of transport
- Alternative strategies for developing wood biomass

Biomass Prices Through 2015

- Historical biomass fiber trends by region and grade
- Price drivers
- Forecast to 2015

Risk Assessment

- Public policy and carbon trading
- Energy price volatility
- Technology developments and innovation

About RISI

RISI is the leading information provider for the global forest products industry. We work with clients in the bioenergy, timber, wood products, pulp and paper, tissue and nonwovens industries to help them make better decisions.

ALSO AVAILABLE:

To receive information on other RISI studies, please indicate which one, and fill in your contact information.

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- 2010 Wood Biomass Policy Review
- South American Tree Farm Update

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