

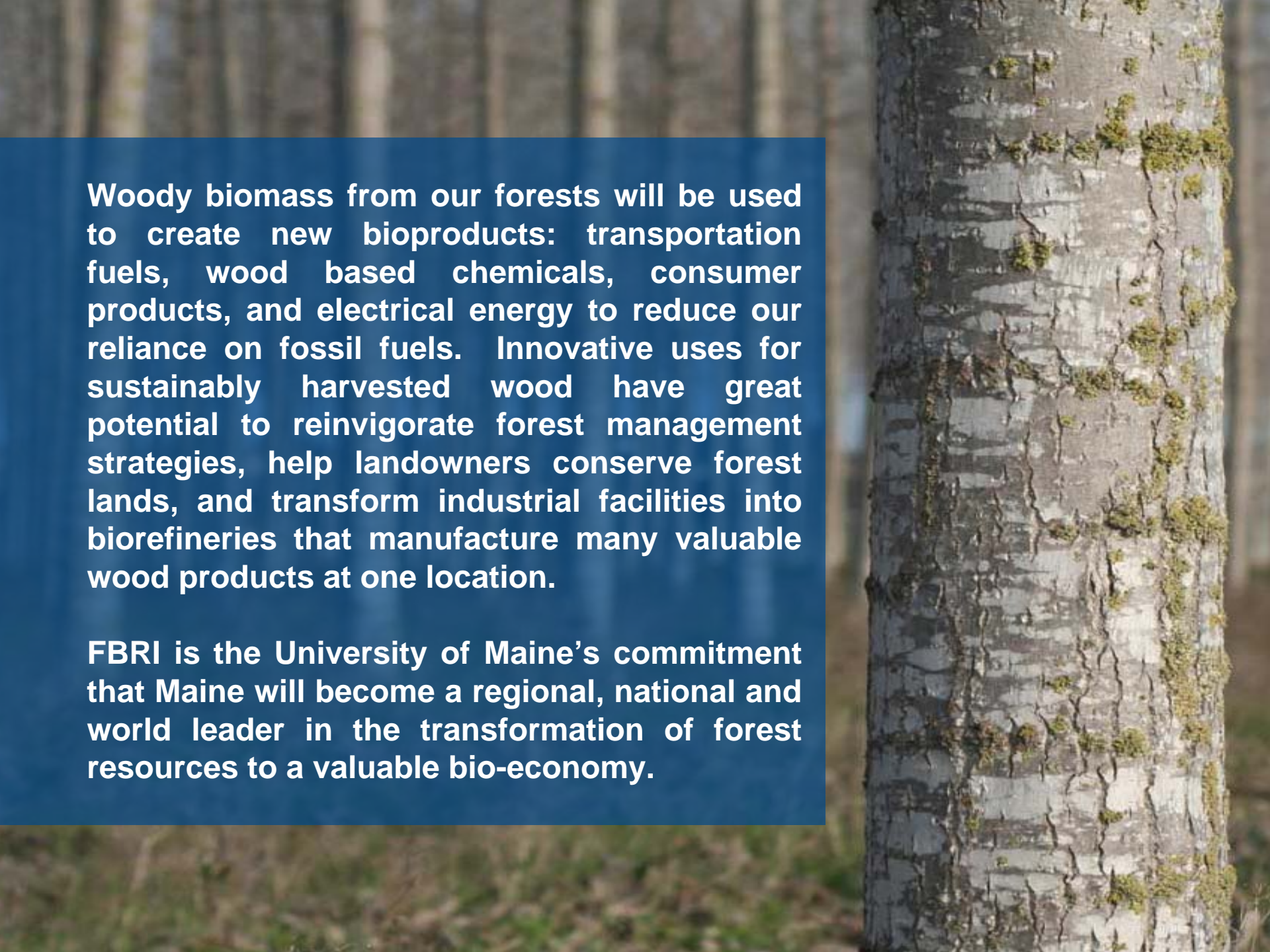


FBRI

**FOREST BIOPRODUCTS
RESEARCH INITIATIVE**

Discovering

a Sustainable Bio-Economy



Woody biomass from our forests will be used to create new bioproducts: transportation fuels, wood based chemicals, consumer products, and electrical energy to reduce our reliance on fossil fuels. Innovative uses for sustainably harvested wood have great potential to reinvigorate forest management strategies, help landowners conserve forest lands, and transform industrial facilities into biorefineries that manufacture many valuable wood products at one location.

FBRI is the University of Maine's commitment that Maine will become a regional, national and world leader in the transformation of forest resources to a valuable bio-economy.

FBRI's Core Research

From the forest floor to the factory floor, researchers, students, and project partners' goals are to:

Promote

Forest Health for a
Stable Bio-Economy



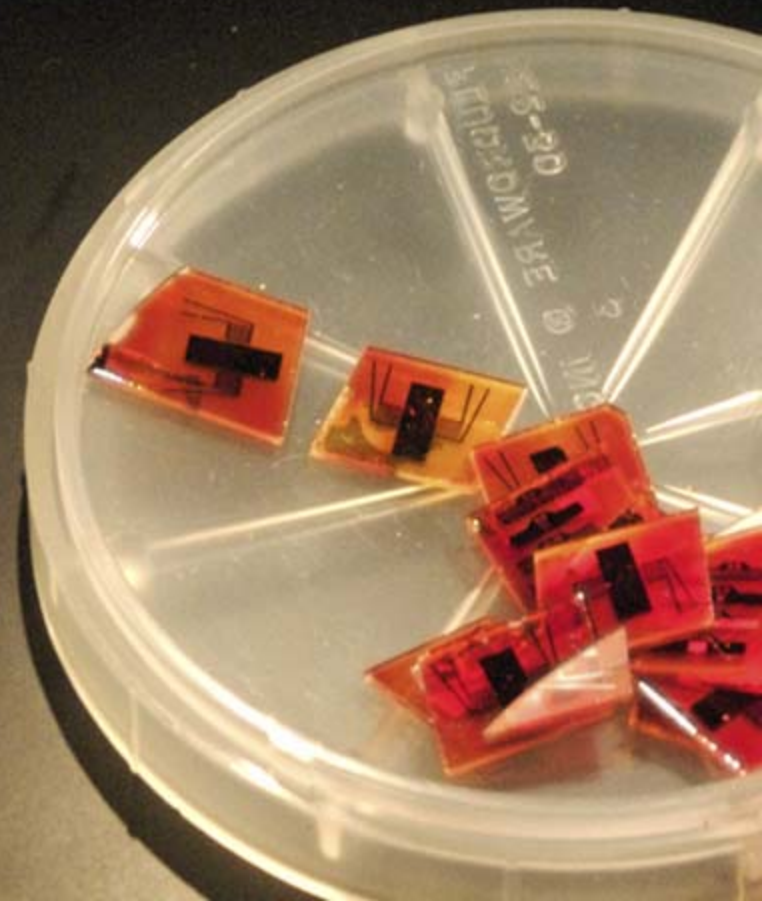
Create

and Commercialize
New Bioproducts

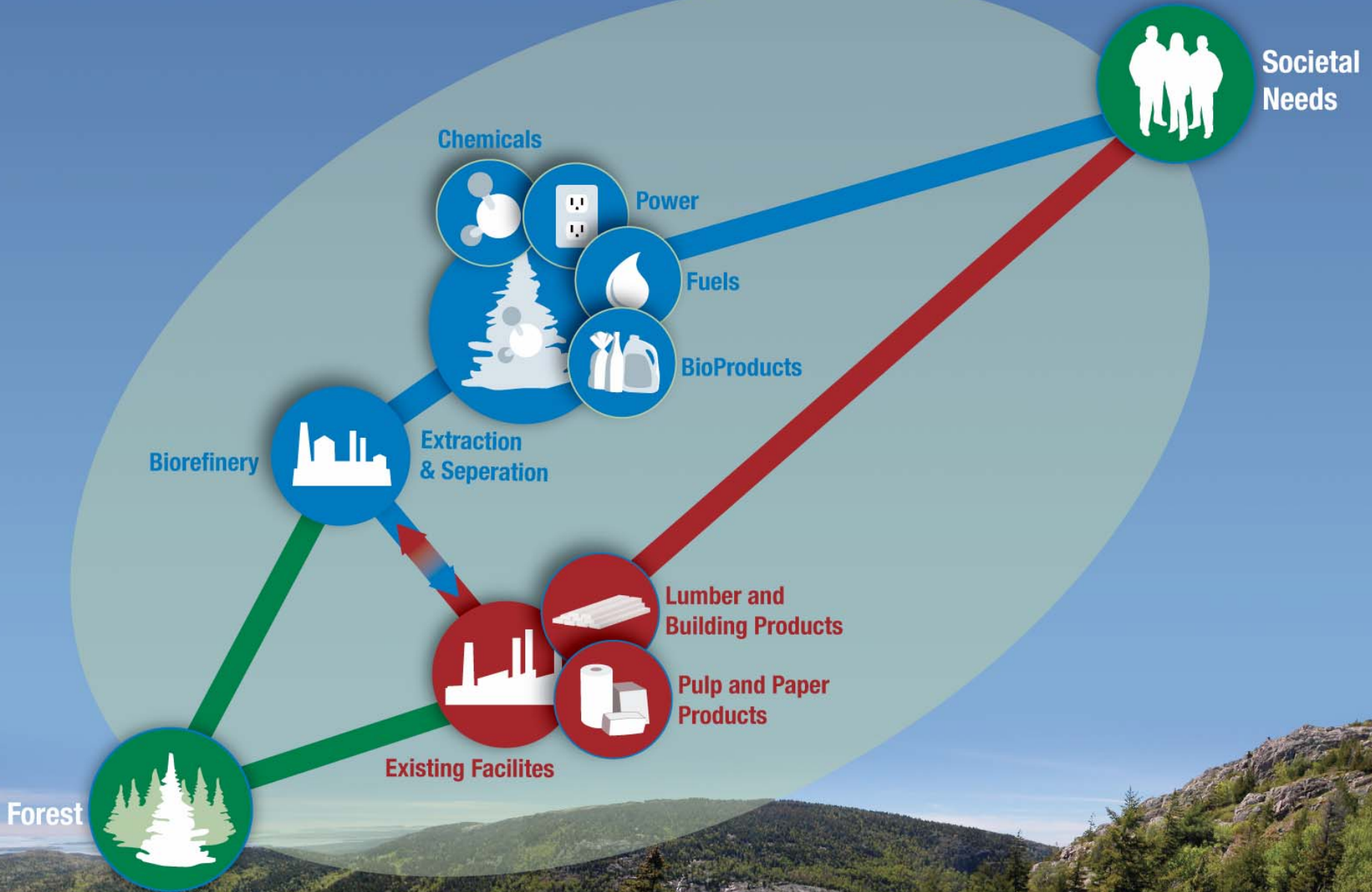


FBRI's Vision

To advance understanding about the scientific underpinnings, system behavior, and policy implications for the production of forest-based bioproducts that meet societal needs for materials, chemicals and fuels in an economically and ecologically sustainable manner.

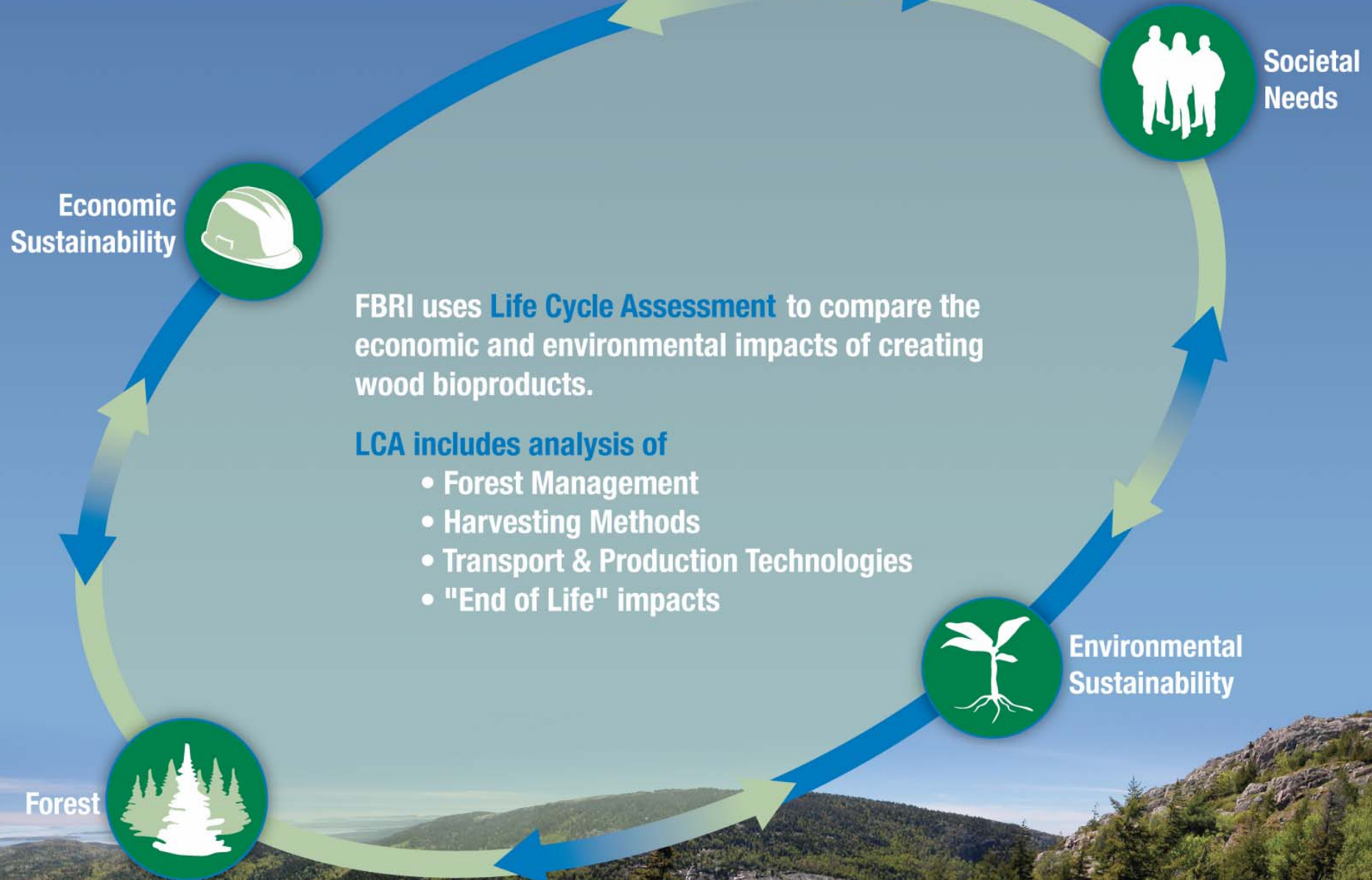


FOREST BIOPRODUCTS RESEARCH INITIATIVE

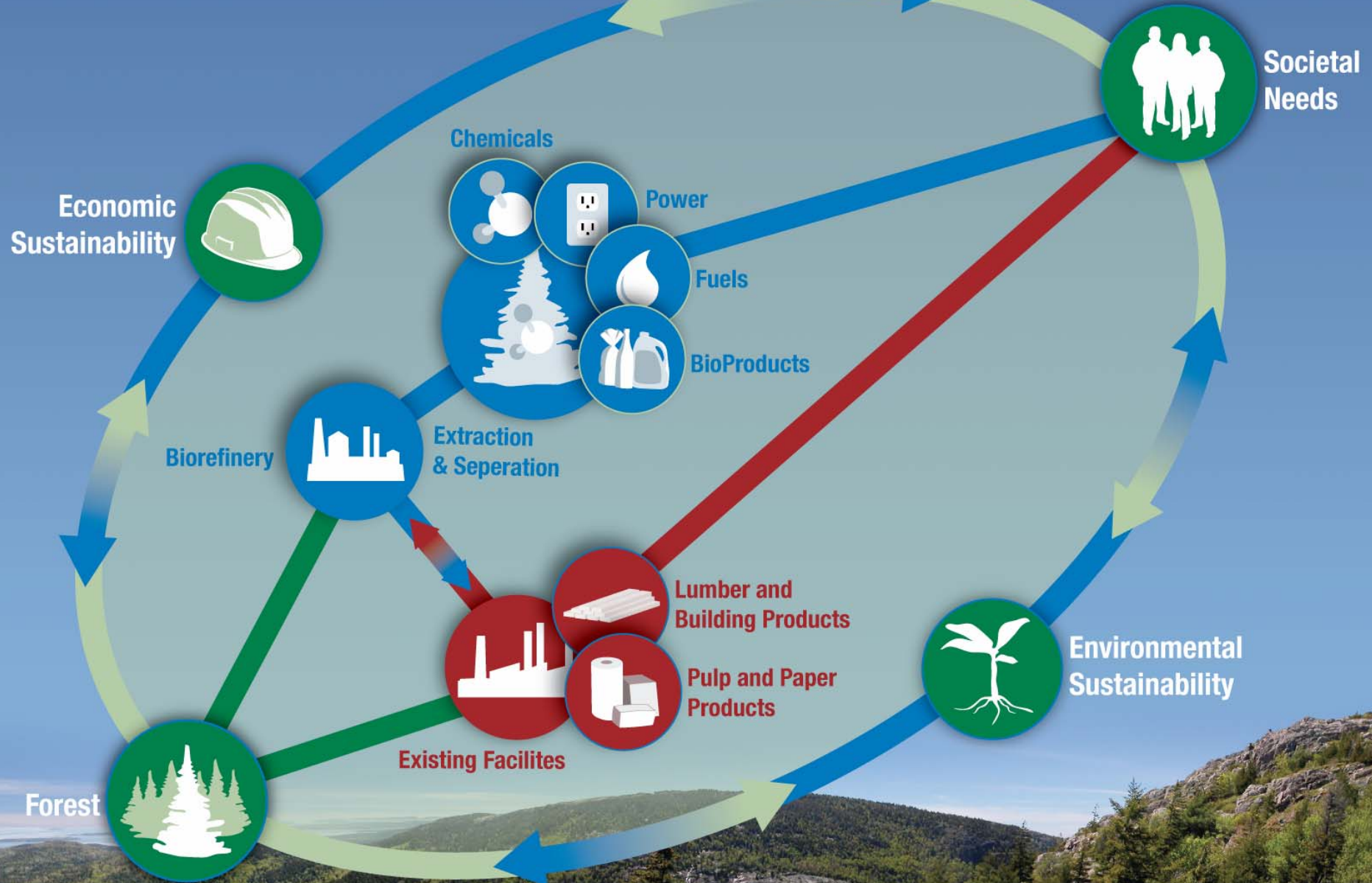




FOREST BIOPRODUCTS RESEARCH INITIATIVE



FOREST BIOPRODUCTS RESEARCH INITIATIVE



Senate Energy Bill June 2007

O:\CAM\CAM07535.xml

S.L.C.

Susan M. Collins

AMENDMENT NO. _____ Calendar No. _____

Purpose: To provide for research support to facilitate the development of sustainable markets and technologies to produce and use woody biomass and other low-carbon fuels.

IN THE SENATE OF THE UNITED STATES—110th Cong., 1st Sess.

H. R. 6

AMENDMENT No. 1700

To _____
By *Collins* _____ invest-
To: *Amend. No. 1502* _____ oping
_____ Effi-
_____ ative

5
Page(s)

GPO: 2005 50-772 (Mn)

Referred to the Committee on _____ and
ordered to be printed

Ordered to lie on the table and to be printed

AMENDMENT intended to be proposed by Ms. COLLINS to
the amendment (No. 1502) proposed by Mr. REID

The Collins biofuels research and development provision, which FBRI wrote, passed the Senate, authorizing \$275,000,000 total over five years for biofuels research and development. This was amendment number 1700

1 (e) AUTHORIZATION OF APPROPRIATIONS.—There
2 are authorized to be appropriated to carry out this sec-
3 tion—
4 (1) \$45,000,000 for fiscal year 2009;
5 (2) \$50,000,000 for fiscal year 2010;
6 (3) \$55,000,000 for fiscal year 2011;
7 (4) \$60,000,000 for fiscal year 2012; and
8 (5) \$65,000,000 for fiscal year 2013.

Wood ethanol shows that Maine can play

Technology-based industries can thrive here, especially those connected to our resources.

Ice hockey teams notwithstanding, the University of Maine and national prestige don't often run in the same circles. ... Now, university researchers have developed a method for heating and squeezing wood to make ethanol. This research, coupled with commitments from legislators and university leaders to push it forward, could create dynamic energy of its own. ... Innovation here could fuel the university's status as a research institution -- in turn, attracting more bright students -- and create a fertile, renewable economic base throughout Maine.

We urge Mainers to support a November bond that will pump millions of dollars into research and development projects. Coupled with environmentally conscious public policy, people might see past the forests to the trees and come to regard Maine as a player off the ice as well as on. July 2, 2007



Cooperative Forestry Research Unit

The AEW Center

The Advanced Engineered Wood Composites Center



International Paper

Pre-Extraction

DOE/loF

IFPR

DOE/MTI

Mill Residuals

EPSCoR/NSF

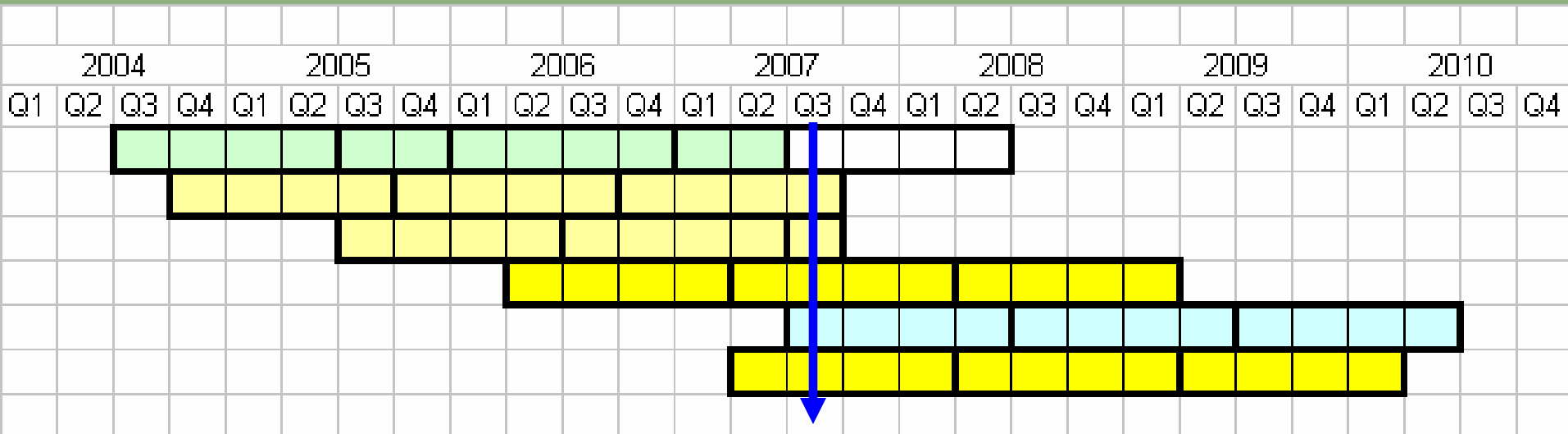
Forest Bioproducts

DOE/EPSCoR

Implementation Award Phase I

NSF/REU

Explore It! Sustainable Energy



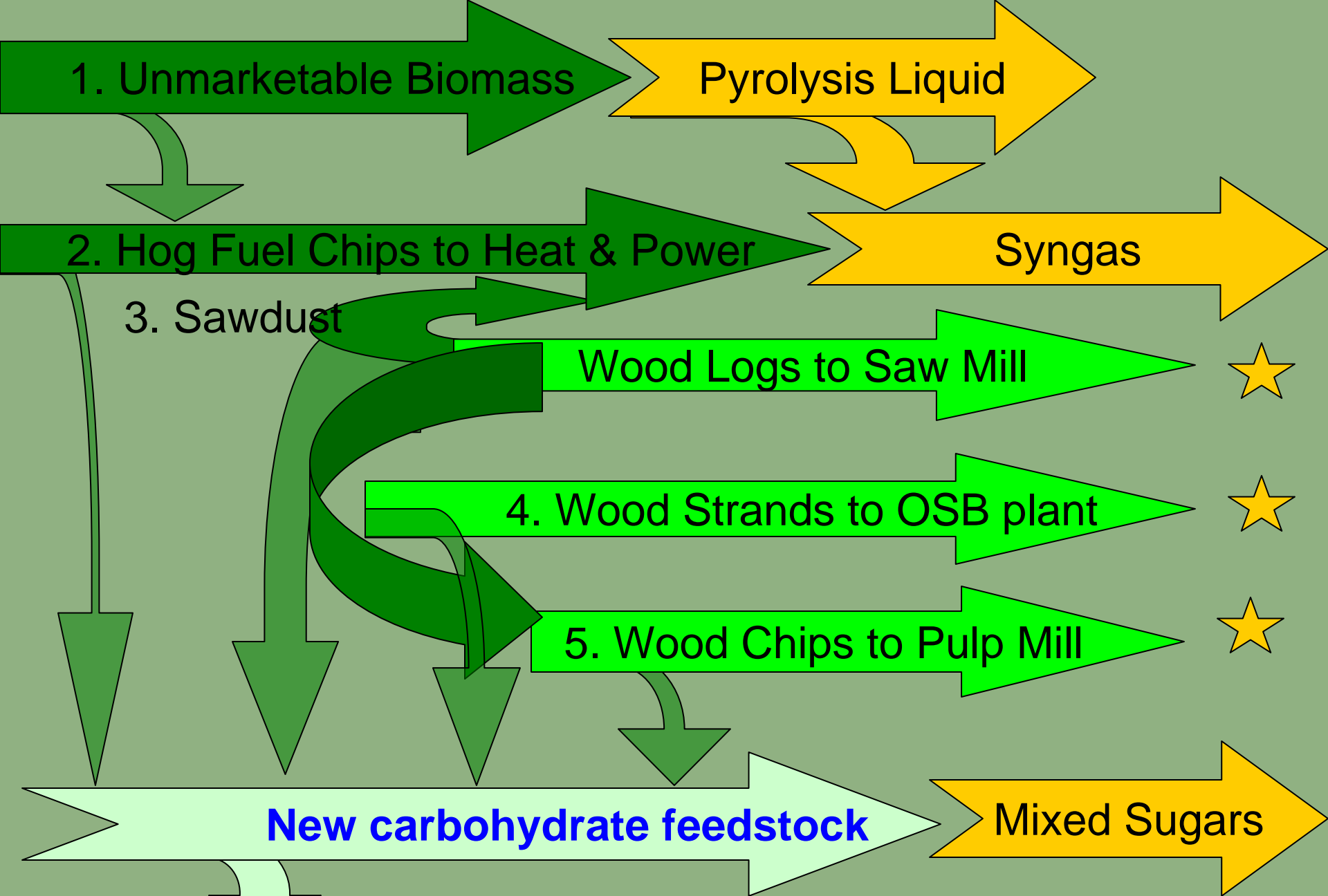
\$13.2 million and counting ...



\$8.8 million

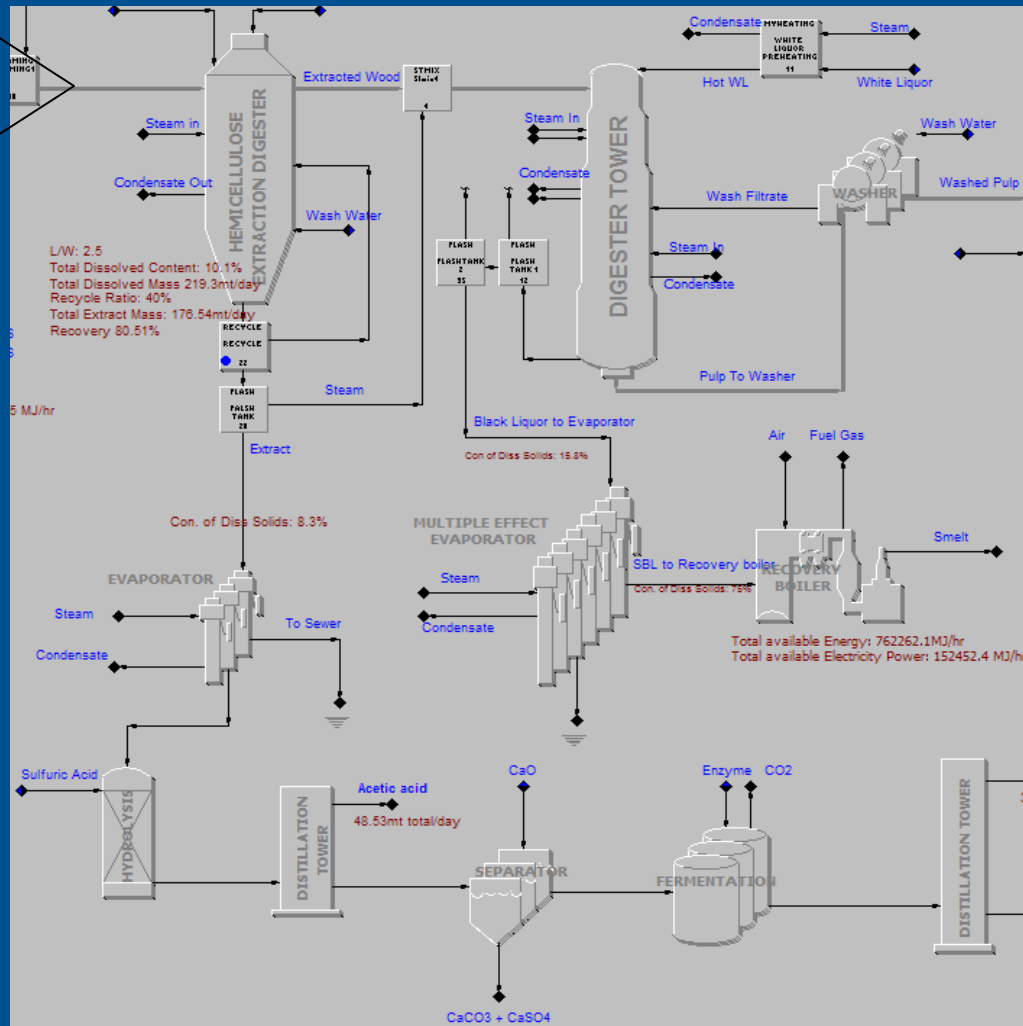
\$4.4 million





Old Town Biorefinery Model

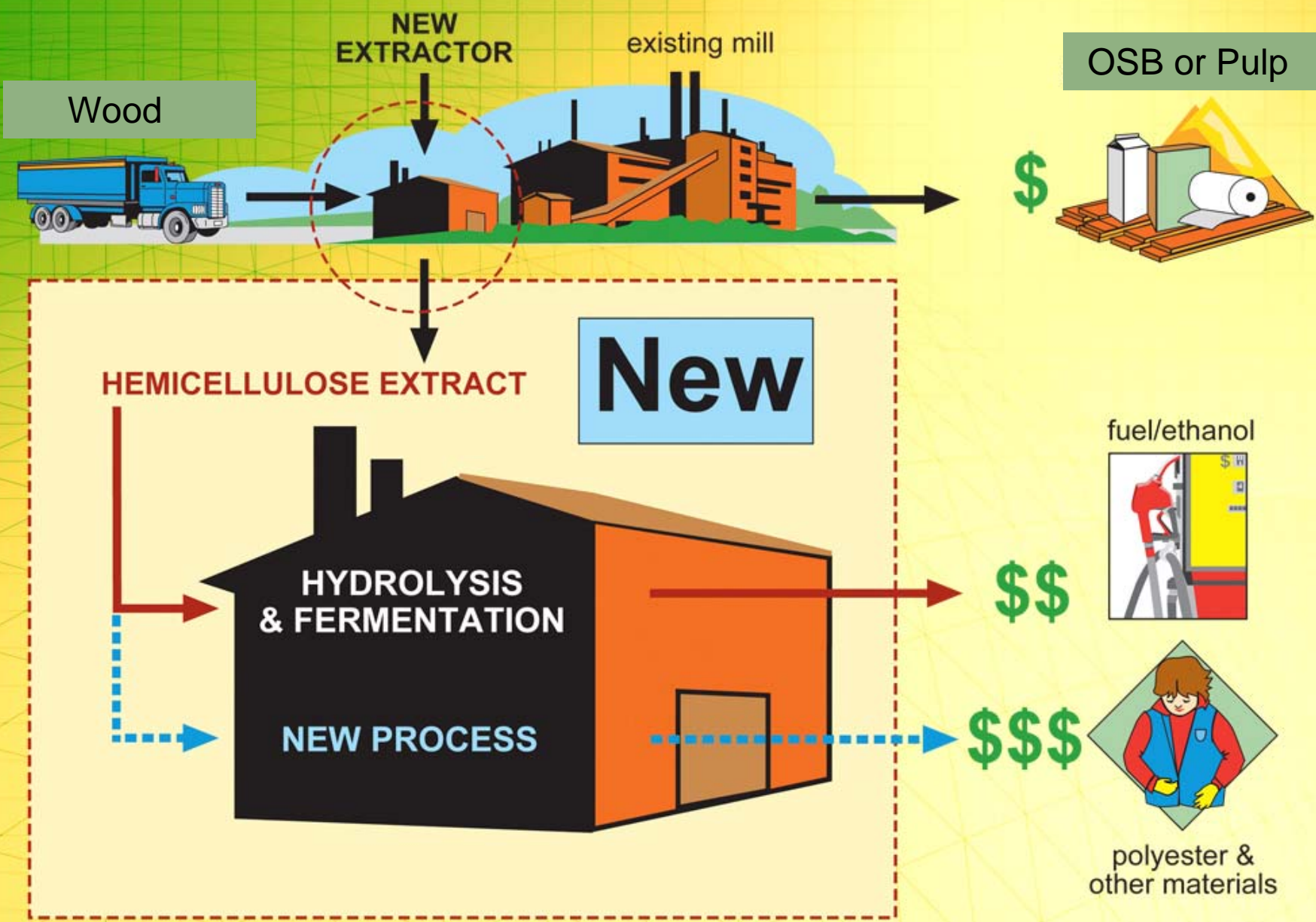
Wood 1200 OD TPD



Pulp 550 OD TPD

Ethanol 18 TPD

Acetic Acid 21 TPD



FBRI's Core Research

From the forest floor to the factory floor, researchers, students, and project partners' goals are to:

Promote

Forest Health for a
Stable Bio-Economy



Create

and Commercialize
New Bioproducts



FOREST BIOPRODUCTS RESEARCH INITIATIVE

