

Programmatic Investment Summary

PROJECT NAME			
The State of Wood-based Bio-energy/Bio-fuels Technologies and Industries in North America <i>RFP 2008-005</i>			
ALIGNMENT WITH THEORY OF CHANGE			
Forest Retention	Value Streams		Community Capacity
	X		X
TYPE OF PROJECT			
Knowledge	Pilot/Demonstration	Operational	Policy
X		X	
PROJECT OVERVIEW AND OUTCOMES			
<p>The objectives of “<i>The State of Wood-based Bio-energy/Bio-fuels Technologies and Industries in North America</i>” project were to provide a complete literature review on the ‘state of the science’ and to develop a database of wood to energy related industries in the US and Canada. These industries include major forest product industries that produce residues, users of residues for energy (boilers, ethanol, etc.), and related industries.</p> <p>The State of the Science report provides a complete overview of the state of wood to energy science and technology, including characterizations of process design, stage of development or commercialization, and suitability for the marketplace. The review also provides an analysis of market sustainability, including opportunities and barriers of wood to energy production. (View Full Report).</p> <p>The Wood2Energy database—a searchable, public site-- provides the most comprehensive and up-to-date information base of its kind and is continually being updated. This type of information is vital to making sound planning and business decisions to expand uses of wood for energy while protecting the long-term sustainability of North America’s rich forested estate. (Visit Database Website).</p>			
PROJECT HIGHLIGHTS			
<p>Data accessible in the Wood2Energy system includes “green energy” developed and used on-site as a byproduct of a primary manufacturing process such as that produced by sawmills or pulp and paper mills – the largest single producers of energy from woody biomass. It also includes the growing number of facilities dedicated to conversion of wood to energy.</p> <p>Wood2Energy was developed by the University of Tennessee Office of Bioenergy Programs with funding from the Endowment; American Forest and Paper Association; Forest Products Association of Canada; as well as the respective federal natural resources agencies from the U.S. and Canada – the USDA Forest Service and Natural Resources Canada. Additional assistance was provided by the Sun Grant Initiative.</p>			
FUNDS COMMITTED			
Endowment Commitment	Leverage via Endowment	Endowment Spending to Date	Leverage Outside Endowment
\$28,340	\$174,638	\$257,798	\$55,000
GRANTEES/PARTNERS			
University of Tennessee Office of Bioenergy Programs		American Forest and Paper Association	
Forest Products Association of Canada		Forest Service—U.S. & Canada	
Natural Resources Canada		Sun Grant Initiative	
CHRONOLOGY			
Date Approved By Board	Date Agreement Signed or Launched	Project/Initiative Life	Status
November 2007	10-1-2008	5-30-2009 Closed 2 nd Quarter	Complete