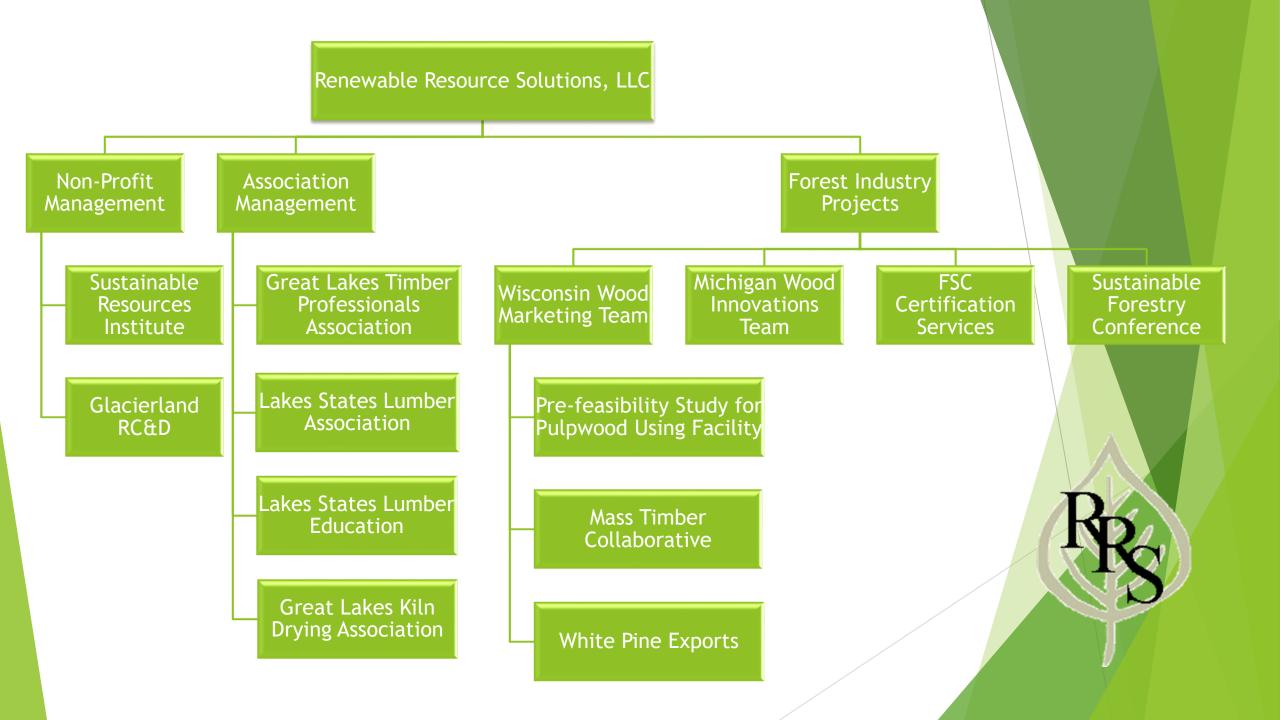
Sustainable Forestry Conference

May 5, 2021

Forest Industry Assistance



#### **RRS Staff and Subcontractors**

- Don Peterson Owner
- Kari Divine Owner
- Jake Divine Project Manager
- Nikki Loehr Office Manager
- Justin Curtis Accountant
- Heather Waligursky Certification Specialist
- Terry Mace Forest Products Specialist

### Michigan Wood Innovation Team and MIDNR Forest Products Team

### **Project Partners**

Partner	Sector	Organization
Don Peterson	Forest Products Services	RRS
Dave Neumann	Marketing & Utilization	MIDNR
Mark Rudnicki	Biomaterials	MTU
George Berghorn	Construction	MSU

#### Michigan Wood Innovation Team Goals

- ► Goal 1: Establish a Michigan Wood Innovation Team/Workforce Development
- ► Goal 2: Identify areas for new and expanded wood product markets
- Goal 3: Identify policies, programs and guidelines to promote wood market expansion
- Goal 4: Provide assistance to entities and organizations to expand wood markets

#### **Goal 1: Workforce Development** MI Dept. of Corrections Training Programs

- Mechanics \*
- Truck Drivers \*
- Loader Operator
- Sawmill Worker
- > Mechanized Logging Equipment Operator

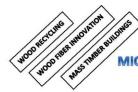
# Goal 2: Identify areas for new and expanded wood product markets

#### **Creation of a Mass Timber Building Task Force**

Methods: MWIT will organize a diverse technical advisory committee to research barriers to the implementation of timber in tall buildings, and to conduct cost analysis, case studies, and make recommendations for the use of timber in tall buildings.

Deliverables: Recruitment of targeted sector members, quarterly conference calls, and two meetings annually. Case study reports, cost analysis and gap analysis reports, and a final report including recommendations for future work.

# Goal 2: Identify areas for new and expanded wood product markets



REGISTER NOW MICHIGAN FOREST BIOECONOMY CONFERENCE "Familiar Stakeholders – New Connections"

Hosted by:

he Michigan Fores

Biomaterials Institute

Register and get full details HERE → → → www.mifbi.org

#### CRITICAL DETAILS

When: February 1st and 2nd, 2017

 Where: Eberhard Center (GVSU), Grand Rapids, Michigan
Why: - Learn about the emerging technology, opportunities, and connections in a forest bioeconomy.
Connect with wood processing companies, manufacturing entrepreneurs, and a variety of industry representatives.

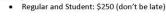


- Dr. Trevor Stuthridge, Executive Vice President of FP Innovations
- Dr. Jim Bowyer, Director of Responsible Materials, Dovetail Partners, Inc.

Save \$50/person w/EARLY BIRD DISCOUNT until DECEMBER 1<sup>ST</sup> Register when? NOW!

#### Early bird discount EXTENDED TO DECEMBER 15th!

- Regular pricing: December 16<sup>nd</sup> until January 20<sup>th</sup> (includes lunch February 1<sup>st</sup> and 3 mid-conference breaks) • Students \$125 (early bird \$75)
- Regular attendee \$175 (early bird \$125)
- Late registration January 21st















Find out more at

www.mifbi.org

JUL 25

#### Michigan Mass Timber Workshop

by Michigan Forest Biomaterials Institute

\$25 - \$85

# Goal 2: Identify areas for new and expanded wood product markets

#### **Technical Assessments**

- Company Background
- General Observations
- > Plant Operations
- > Optimizing Yield
- > Residuals
- Yard Practices
- > Lumber Storage
- > Drying Practices
- Close-out Meeting
- Recommendations







# Goal 4: Provide assistance to entities and organizations to expand wood markets

- Fechnical assistance to value-added wood industry
  - > Arauco
  - Develop FSC Supply Chain
    - Logger chain of custody



#### Why do we use it?

Core Arauco Value Customer Driven Responsible Use of Raw Materials

Many major companies have policies that state a preference for FSC-certified products. Green building standards, including the US Green Building Council's LEED program, provide incentives for using FSC-certified materials.
Increasingly, consumers are requesting FSC-certified products in retail stores across the country. Many governments require the use of FSC-certified products. Companies that produce FSC-certified products gain access to these markets, and many others.



# Goal 4: Provide assistance to entities and organizations to expand wood markets

- Railroad Tie Workshop August 2019
- Forestry Business Workshop August 2019
- Hardwood lumber grading short course May 2019
- Sawing, Edging, and Trimming class -May 2019



### Wisconsin Wood Marketing Team and WDNR Forest Products Services Team

#### **Project Goals**

- Goal 1: Establish a Wisconsin Wood Marketing Team
- > Goal 2: Identify areas for new and expanded wood product markets
- Goal 3: Identify policies, programs and guidelines that can be utilized to promote wood market expansion
- Goal 4: Provide assistance to entities and organizations to expand wood markets for them or their members

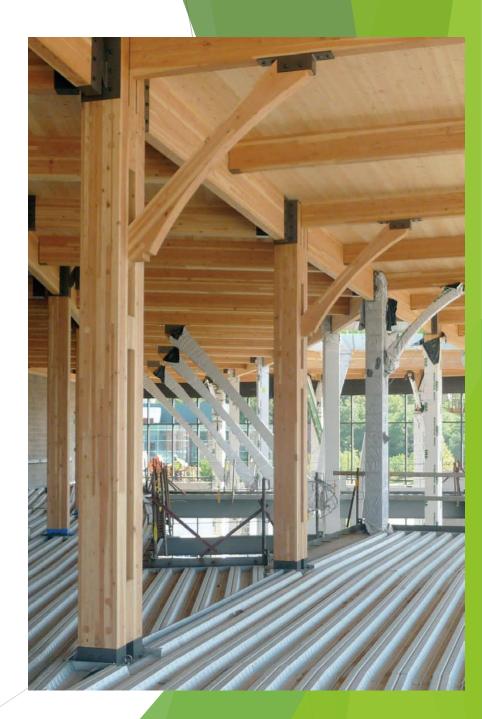
#### Wisconsin Mass Timber Collaborative

- > Establish a mission and framework
- Have mass timber buildings constructed throughout Wisconsin
- With building components produced from Wisconsin grown timber products

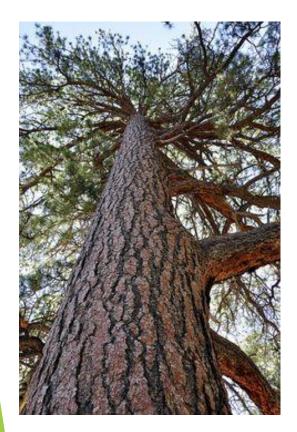


#### Development of Long Term Plan

- Identification of Building Codes that may need to be updated/modified
- Curriculum guide for architects/engineers for credits
- Identification of research needed to include hardwoods
- Development of scenarios for cooperative ownership of a facility
- Description and quantification of the lumber specifications needed
- Identification of potential markets for mass timber buildings



#### White Pine Lumber Cooperative



- Cooperative effort to identify white pine lumber markets
- Membership in the Softwood Export Council
- Makes \$10,000 of SEC funds available to do a trade mission to Wisconsin



#### Mill Siting Preliminary Analysis -Confidential

- > General Characteristics All Sites
- > Labor Rates Analysis:
- > Site Work Force Analysis:
- Permitting
- Forest Resource Summary

### On site assessment of a Small mill and Vacuum Kiln Operation



### Tools to Retain and Grow Your Forest Industry Companies January 9, 2017 Room WT108B, Northcentral Technical College Antigo, Wisconsin

Forest Products Laboratory Tour Thursday, August 17th, 2017 Madison, WI 53726

#### Agenda

10:00AM - Welcome to the Lab/Introduction ~

10:30AM - Lab Tour

11:45AM - Lunch

12:15PM - Examples of Successful Collaborative Projects

12:45PM - Opportunities Now and in the Future

1:15PM - Roundtable Discussion with State Agencies (possibly DATCP, DNR, WEDC, DWD, DPI)

#### Available Services & Technical Assistance

Mill Efficiency/Productivity Study Export Assistance Market Assessment Wood Energy Residue Assessment



#### Log Yield Study





#### Pulpwood Using Facility Pre-feasibility Study Siting

State of Wisconsin's Forest Practices Study through GLTPA & WCFA



#### WI's Pulp and Paper Industry

- In 2018 Wisconsin paper mills imported \$401,575,729 of pulp and related processing residues
  - 96% is chemical woodpulp (69% conifer & 27% hardwood)
- > 34 paper mills
- > 8 pulp mills



#### WI Value-added Forest Industry Companies

- > 800 companies
- > % of companies that use wood composite panels

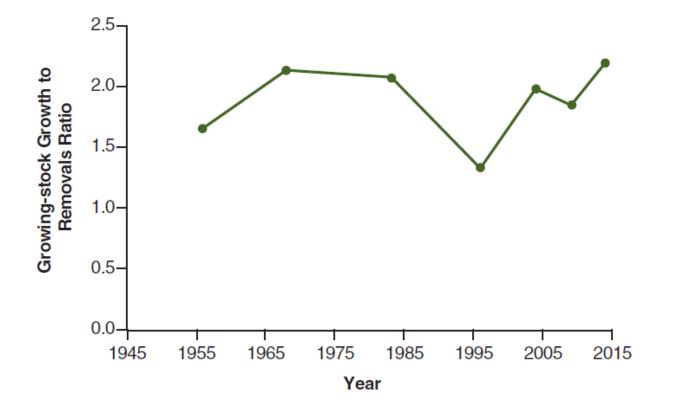
 $32\% \ use \ MDF$ 

25% use Particleboard

13% use Hardboard

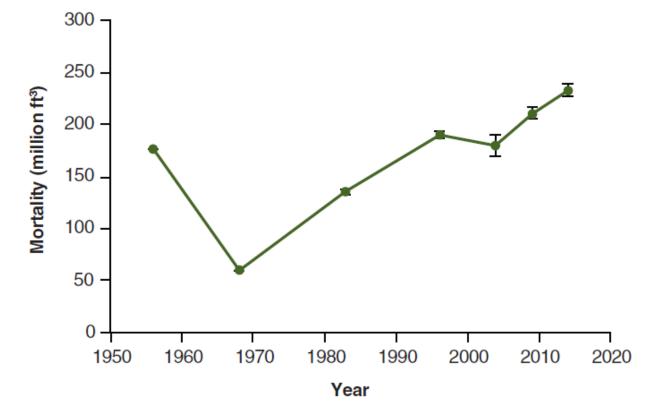
> Only 1 non-structural Wood Composite Panel plant

Ratio of Growth-to-Removals of Growing Stock on Wisconsin Timberland by Year

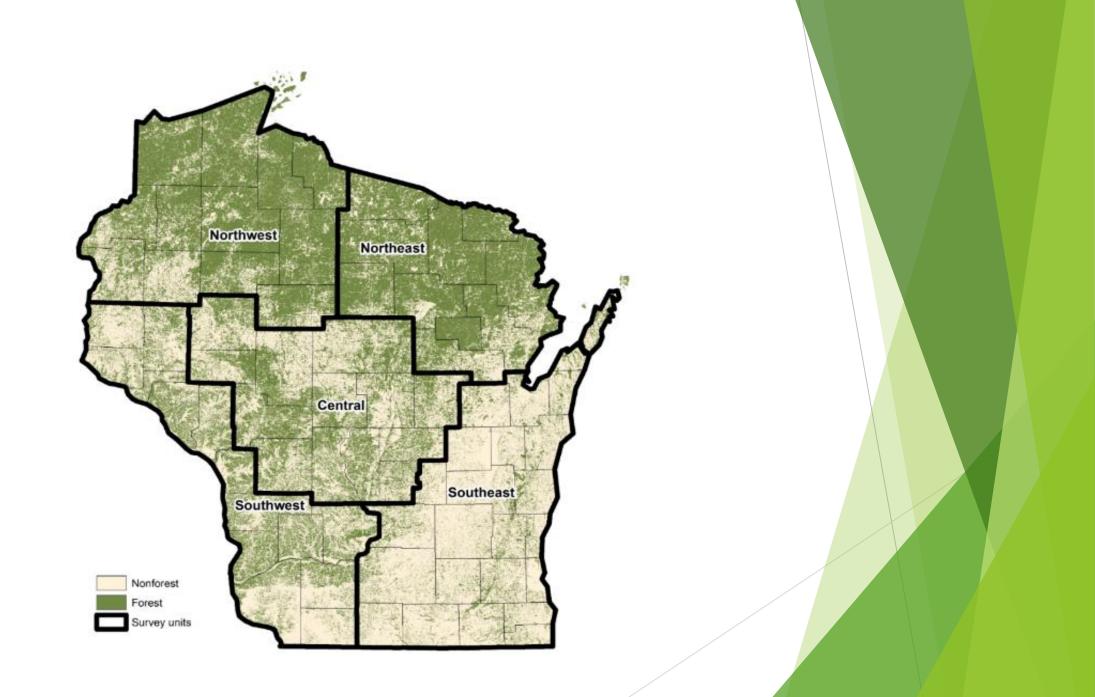


USDA, Wisconsin's Forests 2014

#### Average Annual Mortality of Growing Stock Trees on Timberland by Year



USDA Wisconsin's Forests, 2014



#### Annual Net Growth in Excess of Removals (Surplus) on Timberland by Species Group & Survey Unit, 2018. (MM CF)

	Pine	Spruce/F ir	Other Softwood	Oak	Aspen	Other Hardwoo d	Total
Northeast	25.6	5.7	10.9	8.3	0.5	33.0	83.9
Northwest	19.6	1.2	5.2	11.6	8.6	19.2	65.4
Central	28.2	0.5	1.8	9.7	3.5	22.5	66.3
Wisconsin	86.4	8.8	21.2	46.2	13.8	112.7	289.1

#### Annual Removals from Growing Stock on Timberland by Species Group & Survey Unit, 2018. (MM CF)

Survey Unit	Pine	Spruce/Fi r	Other Softwood s	Oak	Aspen	Other Hardwood s	Total
Northeast	15.3	5.9	3.2	5.0	25.5	28.5	83.4
Northwest	16.5	3.8	1.1	8.9	28.0	39.5	97.8
Central	20.9	0.1	0.7	16.0	7.3	18.6	63.5
Wisconsin	56.3	10.0	5.0	39.5	64.5	107.1	282.3

#### Siting Considerations

Define resource needs based on mill technology and consider:

- > Timber resource
- Environmental standards
- > Transportation
- > Utilities

### **TPC** Mission

"To provide the same sustainable management philosophy to Wisconsin and Michigan's forest industry that we do to Wisconsin and Michigan's forests, realizing that one cannot be sustainable if the other one is not."

### Town Saves Itself

Boisaco, Inc. - mill town in remote Quebec

- > 3<sup>rd</sup> bankruptcy in 10 years, mill closed 2.5 years
- > 1985 liquidation, bought by 2 co-ops + investors
  - Worker co-op of 60 loggers
  - > Worker co-op of 142 millworkers
  - > 432 small community investors
- > Thriving
  - Created a development fund (55% net proceeds)
  - Bought related companies
  - Surviving "boom or bust" cycles



Multistakeholder cooperative to own the mill



Patron Members – Loggers & Millworkers



Nonpatron Members – Industry Allies (truckers, landowners, suppliers, etc)



Not members (but valued!) –

Investors

#### Multi-Stakeholder Cooperatives

Consolidated Cooperative - Formed 3/15/21 Park Falls Mill Cooperative - Formed 3/15/21

### Questions?