



### Current Impacts of Lumber Production and Use



On average the US softwood lumber industry produces ~5.4 million tons of CO2 annually.



Estimates indicate Georgia's film industry generates **over 3 million board feet of 2X4 lumber waste** each year.

### Lumber Reuse Process Flow



Lumber Recovery  
*(film productions, construction waste, industry waste)*



Deconstruction



Material Collection  
*(cargo container)*



Transport to LBC



Warehousing



Material Processing and Certification



Finger-joining



Re-saw

#### PRODUCT OFFERINGS

1. Dimensional Lumber
2. NLT Structural Columns
3. NLT Corner Posts
4. NLT Header Beams
5. NLT Panels
6. Floor, Ceiling and Roof Trusses



Marketing



Qualify Projects and Customers



Distribution

#### LUMBER RECLAMATION

#### RE-MANUFACTURING

#### SALES

### Lumber Reuse Process Benefits



Affordable Housing



Workforce Development



Community Wealth Building



Partner Collaboration & Entrepreneurship



Reducing Waste via Re-manufacturing



Low Embodied Carbon Material



H2O Conservation

#### COMMUNITY BENEFITS

#### ENVIRONMENTAL BENEFITS

DOE Re-X Before Recycling Prize | Phase 2: *Prepare!* | Summary Slide

## Project Name: ReUse-NLT

**Re-X Prize Alignment** - Goal: Extended lifespan of products & parts | Strategy: R7 - Repurpose