CROSS LAMINATED TIMBER IN THE UNITED STATES:
PAST, PRESENT, AND FUTURE

Douglas Rammer
USDA Forest Service
Benefits of Mass Timber

- Sustainable
- Low Carbon Footprint
- Rapid Construction
- Less Waste
- Thermal Performance/Energy Efficiency
- Fire Protection
- Cost Effectiveness
Tall Wood Buildings in US
Tall Wood Buildings in US

- 1,025' X 235' footprint
- 183' High
Recent Developments
Design Milestones
Design Milestones

- CLT is recognized as Type IV Construction
- ICC Board
Future of U.S. Tall Wood Buildings
Future of U.S. Tall Wood Buildings
US CLT Research

- USDA NIFA
- ARS
- FPL - CAWS
  - Performance Based Design of CLT
  - NEES-Soft CLT Repair Option
  - Seismic Design Parameters for CLT
  - Rocking Shear Walls (UW-Milwaukee)
  - Mechanically Laminated CLT
  - Instrumentation of Promega Building
  - LCA of CLT
  - Supply Chain Analysis
- Forest Service Wood Innovation Awards
- NEEScr - CLT
Where is the future?
Topics Areas for Workshop

- Resistance to Lateral Loads
- Building Performance:
  - Durability
  - Sound
  - Vibration
  - LCA
- Fire Safety
- Material Resources and Other Research Topics
Tallest US Wood Structures