

GCWood Accomplishments



EDUCATION ROADMAP AND TOOLS

- Courses on wood design and construction into curricula at 11 accredited university programs
- Increase to 16 graduate timber courses in 2021/22 from 5 courses in 2018
- Developed 33 modules and 10 tools



DEMONSTRATION PROJECTS

- 4 tall wood buildings
- 10 low-rise non-residential
- 2 mass timber bridges
- 10 wood-based building or infrastructure based projects replicated



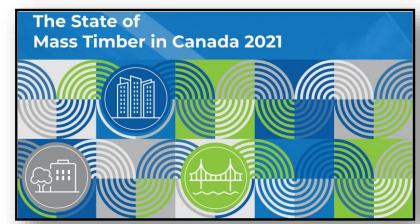
RESEARCH AND DEVELOPMENT

- Update 2020 edition of the NBC to allow 12 storey EMTC construction
- Adoption of EMTC provisions by provinces & municipalities (21)
- Largest full-scale mass timber fire demonstration test
- Initiated work on performancebased codes



The State of Mass Timber in Canada (SMTC) 2021

- First of its kind to capture mass timber projects and production capacity in Canada
- Presents a baseline dataset that includes 785 completed or currently under construction projects since 2007 and data on 19 mass timber manufacturing facilities in Canada
- First edition was released in May 2021
- An interactive web-based map developed & published
- Recently included within the Living Atlas of the World

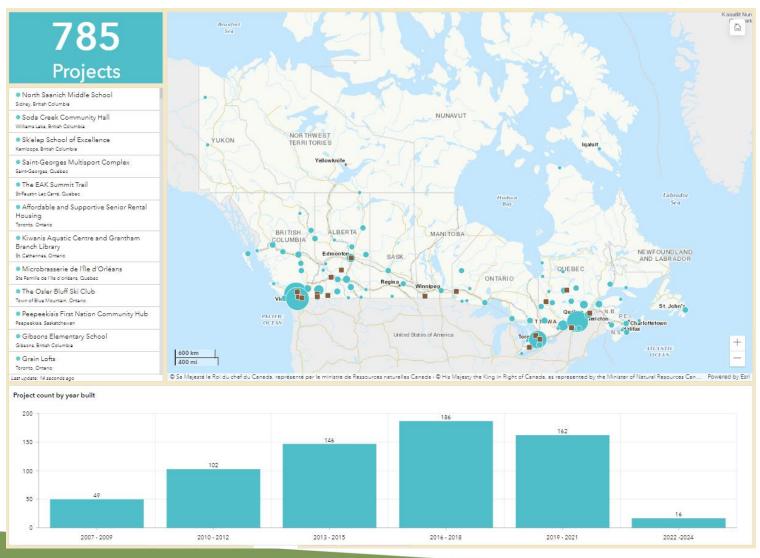


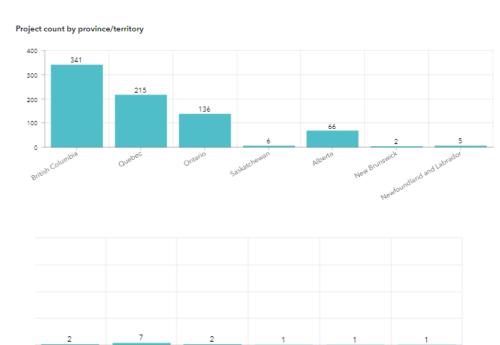
https://experience.arcgis.com/experience/58e313c4ac0247138ba5057d655ed1d4





SMTC - Projects





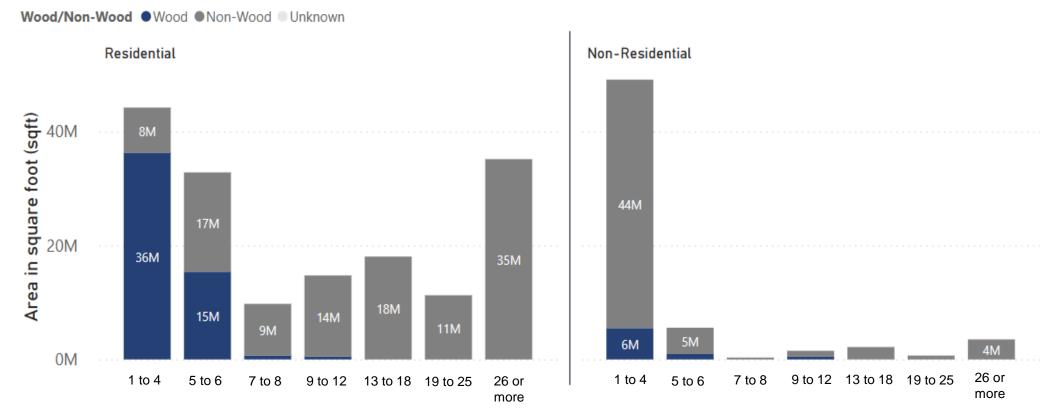




Wood Construction Market Share 2022

Wood Share - Residential and Non-Residential Floor Area by height

Residential Area in square foot (sqft) by Storey Group and Wood/Non-Wood

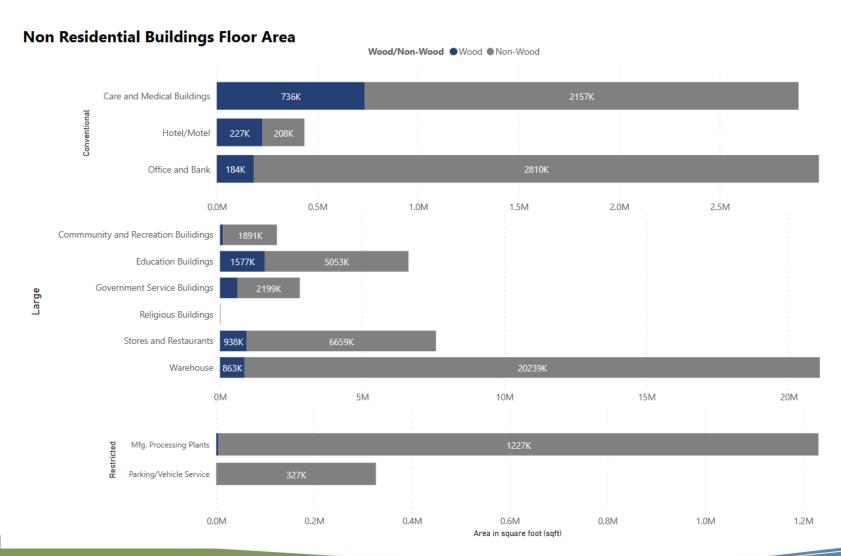


Storey Group





Non-Residential Market Share 2022



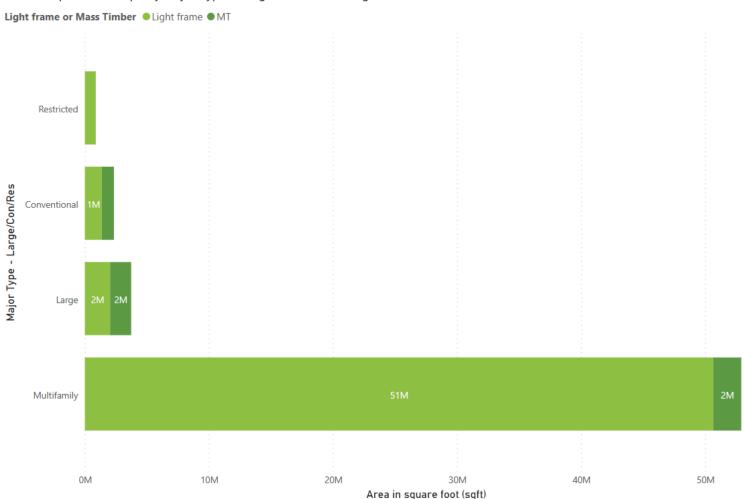




Mass Timber Market Share 2022

2022 Structural Share - All Wood Buildings

Area in square foot (sqft) by Major Type - Large/Con/Res and Light frame or Mass Timber

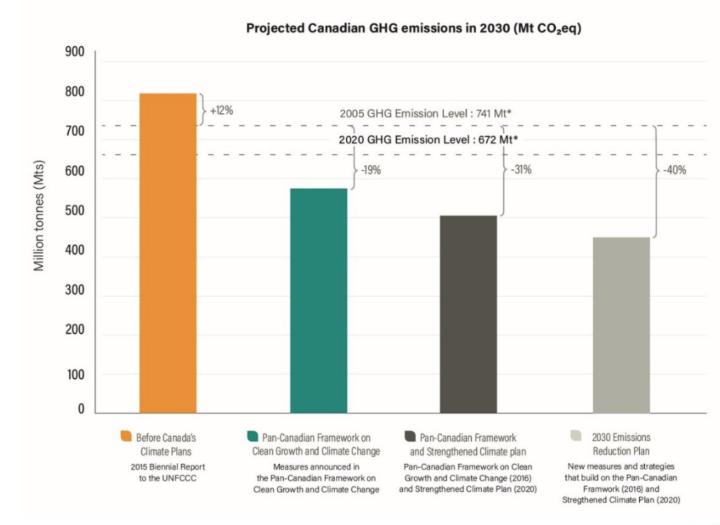






Canada Working Towards Net-Zero

- Government of Canada is committed to achieving net-zero emissions by 2050
- Several Initiatives underway to help decarbonize the built sector:
 - Canada Green Building Strategy
 - Buy-Clean Initiative
 - Low-Carbon Building Materials Hub
 - NRC's Platform to Decarbonize the Construction Sector at Scale
- GCWood de-risks and accelerates domestic market penetration of low carbon, non-traditional building materials and systems to decarbonize the building sector







Renewed GCWood Program: Areas of Interest



Building capacity and education



Demonstration of technologies, systems, and design concepts



Advanced bioproducts use in construction



R&D to support building codes & standards revisions and PBC



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