

## WHEN IT COMES TO BUILDING FOR THE FUTURE, MATERIAL CHOICE MATTERS



• Lighter weight timber makes adding stories to existing buildings more feasible and affordable.<sup>5</sup>

with 2021 code changes.

- · Wood meets code for urban infill buildings, and may offer an economic advantage for developers who pay a premium price on infill real estate.6
- made from renewable resources that also provides carbon storage.7
- 60% of GHG emissions on average can be reduced by substituting wood for concrete and steel.8

- an advantage during seismic activity - to yield and displace without sudden brittle fracture.9
- Wood's ability to withstand high loads for short periods of time and retain its elasticity can be an asset in high-wind zones.<sup>10</sup>

The benefits of wood go beyond the city limits. Wood not only delivers affordable and sustainable buildings for our cities, but it's a smart alternative and can help grow our economy.





Wood's manufacturing creates less pollution and waste than other structural materials like concrete and steel, while emitting less greenhouse gases.

The lowest energy input is required to manufacture wood. Net carbon emissions in producing one ton of:<sup>9</sup>

Lumber:	33kg
Concrete:	265kg
Steel:	694kg

1% increase in demand for wood products can drive 77,000 square miles of new sustainably managed tree farms.<sup>8</sup>



## **ECONOMIC GROWTH**

By choosing wood, developers keep the cost of construction down while helping grow the economy and job market.

- One million jobs in the U.S. are wood contractors.<sup>10</sup>
- Four jobs are created for every U.S. lumber industry job. There are more than 775,000 direct and indirect jobs in harvesting and manufacturing related to lumber."





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The lumber industry is committed to advancing a built environment that is sustainable, resilient, and cost effective – addressing the needs of future and growing cities.

To learn more, visit thinkwood.com

<sup>a</sup>Making the case for the "forest economy", Bain & Company<sup>®</sup>Designing for Earthquakes, Think Wood <sup>I</sup>PORTLAND CEMENT AS A CONSTRUCTION MATERIAL: HOW DOES IT COMPARE TO WOOD, STEEL?, Dovetail, Inc. <sup>®</sup>Carpenters, Occupational Outlook Handbook, Bureau of Labor Statistics <sup>I</sup>Economic Impact of U.S. Softwood Lumber Industry, Softwood Lumber Board