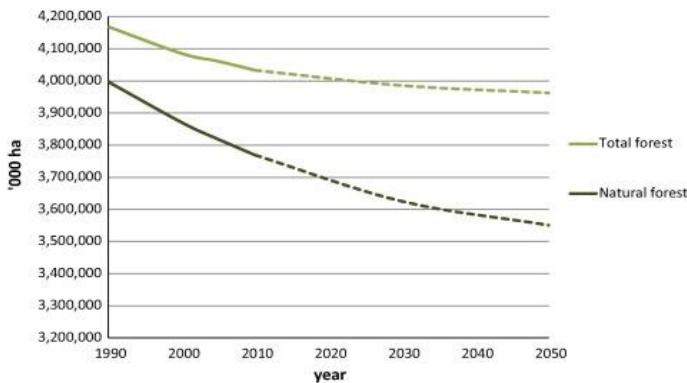


Feasibility of Reclaimed Lumber in Construction



As sustainable building becomes more and more prevalent in the construction industry, builders and homeowners are experimenting more with different kinds of building materials. Reclaimed wood has grown in popularity in construction projects over the last few decades. The rustic, antique feel that the wood has draws in contractors and homeowners alike. This paper looks to explore the different ways to incorporate reclaimed wood into residential or small commercial construction projects, examining both the cost-effectiveness and sustainability of different kinds of reclaimed wood projects. Having personally worked with reclaimed wood on different kinds of projects, I wanted to provide more information on how to best use this unique material.

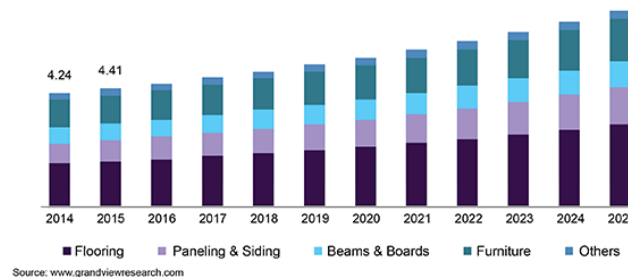


Projected forest loss over the next 30 years

- 10% to 20% of all wood used in construction is currently being prevented from entering landfills.
- 45% of wood in landfills could be recycled



U.S. reclaimed lumber market size, by application, 2014 - 2025 (USD Million)



Usage of reclaimed wood in construction

- The cost of milling your own lumber is about \$1-\$2 per bf.
- Depending on man-power, laborer wages
- The prices below can be cut if supplier is left out.
- Estimation of 1250 sf flooring project: Around 35% cheaper using reclaimed lumber.

Type of Reclaimed Wood	Cost per board foot
Cypress	\$9
Reclaimed Long Leaf Pine	\$10.50
White Pine	\$9
Reclaimed Chestnut	\$13
Red Oak	\$10
Hemlock	\$8