Changes in value-added wood product manufacturer perceptions about certification in the United States from 2002 to 2008

Promjene shvaćanja postupka certificiranja proizvođača finalnih proizvoda od drva u Sjedinjenim Američkim Državama od 2002. do 2008. godine

ABSTRACT • Certification is a voluntary mechanism which involves assessing either forest management practices or chain-of-custody tracking through supply chains against a set of standards. Certification is becoming an important market requirement particularly in value-added wood product sectors such as furniture, flooring and millwork. In 2002 and 2008 we conducted national studies in the United States to identify value-added wood industry perspectives and participation in certification and to see what has changed in the industry in the past 6 years. Results show that certification continues to be an important issue for the value-added wood products sector in the U.S. Certification awareness and participation have increased significantly from 2002-2008. The percent of respondents receiving premiums for certified products has increased significantly from 2002-2008 and the percent of respondents incurring non-raw material costs for certified wood raw materials declined. Finally, 97% of respondents in 2008 said that they will continue to sell certified wood products in the future.

Keywords: certification, United States, wood products, value-added, manufacturers

SAŽETAK • Certificiranje je dobrovoljni postupak koji je ocjena poslovanja u šumarstvu ili ocjena zaštite u lancu nabave prema određenim standardima. Certificiranje je postalo jedan od važnih tržišnih zahtjeva posebno u grama na kojima stvaraju drvne proizvode visoke dodane vrijednosti, kao što su namještaj, podovi i pilanski proizvodi. U radu su uspoređene studije iz 2002. i 2008. godine, provedene u Sjedinjenim Američkim Državama, kako bi se utvrdila perspektiva i sudjelovanje finalne drvene industrije u certificiranju te kako bi se utvrdile promjene nastale u

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Forest certification is here to stay. The area of certificated forests in the world grew by 8.8% from mid-2007 to mid-2008, reaching 320 million hectares and, this area is on the rise (PEFC, 2008). The “Green Outlook 2009” published by McGraw-Hill Construction, 2008). According to the Engineered Wood Association (2009), the annualized rate of housing starts declined rapidly from 824,000 units in September to 771,000 units in October to 625,000 in November 2008, leaving new housing starts at a record low. Despite the market downturn and unfavorable economic background, green building sector rocketed from $10 billion to $60 billion industry within merely 5 years (McGraw-Hill Construction, 2008).

Numerous studies have attempted to determine U.S. consumer preference for certified forest products and, evidence suggests that consumer preference for certified products and understanding on certification concepts are growing. For instance, a comparative study by Ozanne and Vlosky (2003) on the U.S. consumer perspective on certification shows that overall consumer understanding of certification concepts has increased. Anderson and Hansen (2004) in their study on the impact of certification on preferences for wood furniture concluded that environmental certification is a favorable product attribute prioritize by customers. However, the study also revealed that for the typical respondent customer, the importance of other product attributes outweighed that of certification.

Certification is becoming an important market requirement particularly in value-added wood products sector. In literature, the definition on what constitute value-added wood products is vague. Industry observers broadly categorize wood products into primary and secondary wood products. Most value-added wood products fall into secondary wood products category. These vary from products with the highest value such as furniture, flooring, kitchen cabinets, doors and windows, millwork or specialized paneling to highly sophisticated engineered wood and pre-fabricated housing and building materials (Schrier, 2003). Some argue that value can be added to wood and at various levels of processing. For instance, value can be added to a log by properly cutting to the correct length so more product can be produced from straighter, less tapered material (DeHoop et al, 2002). Regardless of how it defines, value-added wood products sector plays a key role in the U.S. economy with U.S. being one of the largest consumers of value-added wood products in the world (UNECE/FAO, 2008). Demand for value added certified wood products come from different channels. “Green building” is one such channel where a huge demand is coming from and, statistics show that there’s a tremendous surge in green construction in the U.S. housing market (McGraw-Hill Construction, 2008). With the weakening U.S. economy, house values have declined by 21.1% since the peak in June 2006 and, housing starts are expected to remain weak into the second half of 2009 (Eastin, 2008). According to the Engineered Wood Association (2009), the annualized rate of housing starts declined rapidly from 824,000 units in September to 771,000 units in October to 625,000 in November 2008, leaving new housing starts at a record low. Despite the market downturn and unfavorable economic background, green building sector rocketed from $10 billion to $60 billion industry within merely 5 years (McGraw-Hill Construction, 2008). The “Green Outlook 2009” published by McGraw-Hill Construction (2009) further predicts today’s overall green building market to more than double, reaching between $96 - $140 billion by 2013. The report further attributes the expansion of green building to numerous factors including growing public awareness of green practices, increased government interventions, and recognition by owners of the bottom line advantages.
The booming green building industry has lead to a proliferation of green rating systems in the U.S. At present, there are two leading national residential rating systems; NAHB National Green Building Program and LEED. Green Globes and LEED are the two leading Commercial Rating Systems. In addition, there are at least 32 local and regional green rating systems across the U.S. at present (Eastin, 2008). In a survey conducted to determine certified wood use in residential constructions in the U.S., Eastin (2008) found that a substantial number of builders are already using certified lumber with certified wood use being highest in western states. The study observes that use of certified lumber would increase in the future across all regions of the U.S. with possible price premiums for green housing constructions. If this trend continues, the demand for certified wood products would increase significantly and the impact will trickle down the value chain.

Repair and remodel applications of wood sold primarily through home-centers account for the second largest demand market, hence they are the primary driver of certification from the demand perspective in the U.S. (Perera et al, 2008). According to the U.S. Census Bureau of the Department of Commerce (2008), expenditures for improvements and repairs of residential properties in 2007 were estimated at $226.4 billion. Leading home center retailers such as Lowe’s and Home Depot jointly account for a greater market share in remodeling market, have already committed to providing certified forest products to consumers. For instance, Home Depot’s wood purchasing policy give preference to wood and wood products originating from well managed forests whenever feasible. A recent survey (Perera et al, 2008) of the top 500 U.S. home-center retailers revealed that only a few companies so far have entered the certified products market, however these companies included the market leaders. Certification/eco-labeling was given a low priority by leading home center retailers in selecting wood products suppliers. Results further suggest that factors such as improving company image and preexisting certified suppliers are the main reasons for companies to enter the certified market rather than price premiums.

Retail expenditure on furniture by U.S. consumers has also shown a gradual increase over the years. Three primary sectors can be identified in the U.S. furniture manufacture; integrated manufacturers of either household or office furniture, assemblers of pre-cut wood household or upholstered furniture, and niche producers (U.S. International Trade Commission, 2004). Household furniture goes to the final consumer through variety of channels where top hundred furniture retailers channel being the dominant accounting for over 19 % of the total distribution (Vlosky, 2005). However, the domestic furniture industry continues to lose its market share to imports especially from countries like China, Canada, Malaysia and Vietnam (Vlosky, 2005).

Wooden flooring is another value-added wood product category that showed a significant growth in the recent past. With the introduction of engineered and pre-finished floors which make installation easy and cost-effective, hardwood floors are rapidly becoming ‘DIY’ remodeling projects. The U.S. hardwood flooring sales tallied to $2.5 billion in 2005 while laminate flooring sales were estimated at $1.5 billion (Ekström and Goetzl, 2007). The U.S. wood flooring market is expected to grow at a compound annual rate of 7% from 2006 to 2010, pushing the demand over $3 billion (Specialists in Business Information, 2006). Numerous reports (Lee, 2008; Ekström1 and Goetzl, 2007) observe the certified flooring demand to increase in the future with customers becoming more environmentally aware and turning to green building. To meet this rising demand, many manufacturers are turning to third-party certification to verify that their products are coming from well-managed sources. According to wooden flooring manufacturers, FSC certification is the most popular, which is also recognized by LEED, NAHB’s Model Green Home Building Guidelines, and Green Globes rating systems (Lee, 2008). SFI certification is recognized by NAHB and Green Globes systems.

Although numerous certification-related market studies have been done on various segments of the value chain, certification involvement of the value-added wood products industry received relatively scant scholarly attention over the past few years. Vlosky and Ozanne (1998) studied the U.S. wood products manufacturer perceptions of certified wood products and found that there’s a tendency among larger manufacturers to be more environmentally oriented. Manufacturers in general were concerned about the costs of managing chain of custody certification. A recent study (Vlosky et al, 2003) to determine certification involvement by value-added wood products manufacturers in the U.S. found that respondents had little familiarity with major U.S. certifiers and certification in general. Results further suggested that respondent manufacturers are less willing to pay a premium for certified raw materials.

Forty-seven percent of a select group of Wood & Wood Products readers responding to a recent survey said the green building movement will have a positive impact on the woodworking industry. Certification has been on an accelerated growth path for the past 10 years. Figure 1 shows a generalized structure of a certification program. There are two types of certification. The first is forest management where a third-party entity approves and certifies that forest management techniques adhere to the programs guidelines or rules. The second type of certification is Chain-of-Custody where certified material is tracked and monitored as it moves through the supply chain from the forest to the finished product for sale to consumers or other end customers such as builders.

2 THE STUDIES
2. STUDY

In 2002 and 2008 we conducted studies identify value-added wood industry perspectives and participation in certification and to see what has changed in the
industry in the past 6 years. The 2008 study was web-based and anonymous. We worked with associations to send survey link to members of five national associations: Association for Retail Environments (A.R.E.); Architectural Woodwork Institute (AWI); Business and Institutional Furniture Manufacturer Association (BIFMA); Kitchen Cabinet Manufacturers Association (KCMA); and the National Hardwood Flooring Association (NHFA). In addition, the link was published in Wood & Wood Products magazine. In 2002, we used paper-based surveys sent by associations to members (AWI, BIFMA, KCMA, and the National Association of Store Fixture Manufacturers (NASFM)) to their members.

3 RESULTS

3.1 Certified Wood Product Sales

The percent of respondents that sell certified products increased 425% from 2002 (8% of respondents) to 2008 (42% of respondents). In addition to this increase, the average percent of company sales from certified products more than doubled from 10% in 2002 to 21% in 2008. The average dollar revenue attributed to certified wood product sales rose over 1,200% from $720,000 in 2002 to $9.4 Million in 2008. In 2002, 19% of respondents had chain-of-custody certification while in 2008, 36% of respondents did so.

There are many possible reasons why a company would enter the certification arena. For the value-added wood manufacturer respondents in this study, the business owner commitment to the environment ranked number one in 2002 and 2008. Second ranked were to increase sales (2002) and take advantage of growing markets (2008). Ranked last for both studies was the...
goal of increasing profit/unit although this objective was more important in 2008.

Respondents sell their certified wood products through a variety of distribution channels and end users. With regard to distance from the company where certified products are sold, Figure 4 shows that the percent that is going to export markets has increased from 1% in 2002 to 8% in 2008 indicating that U.S. respondents increasingly are able to compete in the global certified wood product marketplace.

3.2 Is anybody making money on Certification?

3.2. Zara|uje li netko certificiranjem?

There are costs associated with becoming certified regardless of which program is used. The key, and often unanswered, question is "Is anyone making a profit off of certification?" The straight answer is respondents are not sure or aren’t telling. We were able to tease out some information that could be used to draw some inferences about profitability. For example, the percent of respondents paying an upcharge or premium for certified raw materials to manufacture their products decreased from 86% of respondents in 2002 to 74% of respondents in 2008. On the other hand, the percent of respondents re-
ceiving a premium for the certified products they sell increased from 27% in 2002 to 61% in 2008, Figure 5. In addition, in 2002, 89% of respondents said they incurred additional costs (excluding raw materials) to provide certified products to their customers. This dropped to 77% of respondents in 2008.

4 CONCLUSIONS

Results show that certification continues to be an important issue for the value-added wood products sector in the U.S. Certification awareness and participation have increased significantly from 2002-2008. The percent of respondents receiving premiums for certified products has increased significantly from 2002-2008 and the percent of respondents incurring [non-raw material] costs for certified wood raw materials declined. The percent of respondents paying a premium for certified wood raw materials has also declined. Although these results may suggest profitability, the value and profitability propositions for certification remain elusive and inconsistent. Finally, 97% of respondents in 2008 said that they will continue to sell certified wood products in the future.

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