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## TECHNO-ECONOMICAL ANALYSIS OF WO PRODUCTION FOR U.S. MANUFACTURERS

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## Abstract

Many companies in the U.S. are entering the wood pellets market due of woody biomass utilization for energy purposes. Despite a 200% incl difficult to obtain reliable information from the research community rel requirements, and market trends for wood pellets. Based on comprehe techno-economical model for the determination of production costs for market, with sell strategy based on bagged product) was developed, c technical and financial factors that affect pellet production. Outcomes pellet production is profitable for U.S. manufacturers and distributors/ margin for retailers. Sensitivity analyses were performed, showing tha sensitive to changes to the cost of biomass and labor. In addition, cha also affect the NPV and IRR of the project, but not as significantly as k Additional findings indicate that increasing the plant size especially inc