



Case study on the development of biomass briquetting densification fuel industry in China

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Abstract: The development of biomass briquetting densification fuel (BBDF), has great significance to optimize energy structure and ensure energy security in China. By reviewing the challenges of BBDF machine and burning equipments which greatly limit the development of BBDF industry in China, this paper aims to analyze the embryonic, rapid and sustainable development stages of BBDF industry, through identifying and clarifying the characteristics of the collection of resources, market positioning and promotion in Chinese biomass briquette industry. The results indicate that the industry in China is still in its infancy, which restricts its development lies in the policy lag and leading enterprises lack support, and also propose biomass briquette market should focus on alternative small and medium-sized coal-fired, oil, gas, electric boilers in the dispersed heating markets. Choosing one company as case analysis in China, analyze industry chain operation situations on the four sessions of the resources collection, biomass pellet fuel processing, boiler design and heating service. In order to advance the development of BBDF industry in China, serious measures should be taken, such as to strengthen industry management, to perfect inspiriting mechanism, to develop science and technology invention, to set up standard system, and to popularize demonstration.