

## **ALTERNATIVES FOR BIOMASS USE IN AMAZON: THE STUDY CASE OF ULIANÓPOLIS MUNICIPALITY**

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**ABSTRACT:** Aiming to purpose a better exploration in Amazon rainforest, this paper presents the results obtained from local field visits done to Ulianópolis Municipality, in Pará State, localized in North of Brazil. The access to that municipality, which population is distributed as follow: 11,788 habitants in urban area and 7,279 habitants in rural areas, totalizing 19,067 habitants, is through the Federal Road BR-010 (also named Belém-Brasília). Environmental and Technology Pará of State Secretary and Environmental and Agricultural Municipality Secretary of Ulianópolis supported the execution of local field visit. This municipality has 16 wood industries, whose residues can generate around 6 MW of installed power. This project proposal, whose overview is presented in this paper, is being developed by CENBIO – the Brazilian Biomass Reference Center in Brazil and is planned to be over in by 2002. All the aspects analyzed, as well as data used in this paper, were obtained from a local field visit in Ulianópolis Municipality made in the beginning of July 2001. This paper will also present results from local field visits, including the current electric energy supply as well as the current biomass use. After this topics, are presented the conversion biomass technology employed, explaining the choice reason. In the conclusion, alternatives to the Municipality are discussed, presenting the preliminary results obtained, according with the technology used.

**Keywords:** Electricity, Biomass, Amazon