

WOODY BIOMASS FOR THE PRODUCTION OF ADVANCED BIOFUELS AND BIO-BASED CHEMICALS

Tim Eggeman¹

¹ZeaChem Inc., Lakewood, CO.

ZeaChem is a developer of biorefineries for the conversion of renewable biomass into sustainable fuels and chemicals. ZeaChem has partnered with GreenWood Resources, a world leader in development and management of tree plantations, to supply hybrid poplar trees to ZeaChem's demonstration and first commercial biorefineries, located in Boardman, Oregon. Hybrid poplar trees are an excellent biomass source because of their high yield per acre, short rotation and ability to regenerate after harvest, providing superior economic and environmental benefits. ZeaChem's 250,000 gallon per year (GPY) demonstration facility will begin operations in 2011. The first commercial biorefinery is expected to have capacity of 25M GPY and come online in 2014.