

FINDING INNOVATIVE ENERGY SOURCES

THE ISSUE

Forest Research, State & Private Forestry and Kisatchie National Forest have partnered to reduce energy consumption, reduce the environmental footprint, to reduce greenhouse emissions and improve the use of opportunity fuels such as woody biomass.

THE BACKGROUND

Research a way to produce energy from forest fuels, the Forest Service has identified the Bio Max 25 gasification unit process as an efficient system for converting woody biomass and other opportunity fuels to electricity. The wood biomass is converted into combustible gases powering a generator producing electricity.

The Winn Ranger District Office will be the first ranger office to use electricity generated from woody biomass. The operation will make maximum use of storm debris, logging debris and woody understory brush. Dense understory vegetation contributes to catastrophic wildfires, insect and disease outbreaks and the loss of endangered species habitat.



Dr. Groom views a Bio Max 25 gasification unit.

THE KEY POINTS

A Forest Research, State & Private Forestry and KNF partnership will provide a green energy demonstration, opportunity fuels research, reduce forest fuels build-up and utilize woody biomass from the forest.

As a demonstration project, the Bio Max process will interest others in utilizing the readily available woody biomass which is actually a by-product of clearing dangerous forest fuels.

The Bio Max project helps many facets of forest management including lowering the catastrophic wildfire threat by reducing forest fuels, improving wildlife habitat, thinning young pine plantations improving wildlife habitat and reducing the threat of insect and disease attack.

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