

BlueFire Ethanol, Inc.

Corporate HQ: Irvine, Orange County, California

Proposed Facility Location: Southern California

Description:

This company has experience building biomass power plants in California and their technology has been demonstrated at the pilot scale. One of its partners is Waste Management Inc., a leading waste-to-energy company. This project will give DOE understanding of a new biological fermentation process not using enzymes.

CEO or Equivalent: Arnold Klann

Participants: Waste Management, Inc., JGC Corporation; MECS Inc.; NAES; PetroDiamond

Production:

- 19 million gallons/year in the unit in which DOE will be participating.

Technology & Feedstocks:

- Concentrated acid processing of 700 tons/day of sorted green waste and wood waste from landfills followed by fermentation of sugars to ethanol

State of Readiness:

- Blue Fire and their Japanese partner have demonstrated an integrated process for a few years at a smaller scale in Japan.
- Construction Start: 2008; Project completion: end of CY 2009.