



Press Release

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LPP COMBUSTION DEMONSTRATES CLEAN, RENEWABLE ENERGY TECHNOLOGY FOR GAS TURBINES USING ETHANOL

Columbia, MD, February 13, 2008: LPP Combustion, LLC, using its patented LPP Combustion System, has recently demonstrated natural gas-level emissions from bio-derived ethanol (ASTM D-4806) during gas turbine combustor testing. Emissions of nitrogen oxides, carbon monoxide, sulfur dioxide, and particulate matter (soot) were the same as natural gas-level emissions achieved using current dry low emission (DLE) gas turbine combustion technology. In addition, the combustion of this bio-derived ethanol produced virtually no net carbon dioxide emissions.

LPP Combustion has developed a Lean, Premixed, Prevaporized (LPP) combustion technology that converts liquid biofuels, such as biodiesel and ethanol, into a synthetic natural gas. This LPP Gas can then be burned with low emissions in virtually any combustion device in place of natural gas, providing users with substantial fuel flexibility. A DLE gas

turbine utilizing LPP Technology to burn biofuels creates a low emissions power plant with no net greenhouse gas emissions, resulting in the cleanest use of renewable fuels. LPP Combustion recently received its second U.S. patent for technology that converts liquid fuels into a synthetic natural gas and has additional U.S. and worldwide patents pending.

“Our LPP Combustion Technology enables clean, reliable, renewable energy from liquid biofuels that can be a primary source for power generation, or be a back-up source for less reliable, renewable energy sources such as wind and solar.”

**- Michael Ramotowski
Director of Operations of LPP Combustion**

Many states have recently enacted renewable portfolio standards (RPS) requiring that a specified percentage of power generated come from renewable energy sources. “Our LPP Combustion Technology

enables clean, reliable, renewable energy from liquid biofuels that can be a primary source for power generation, or be a back-up source for less reliable, renewable energy sources such as wind and solar,” said Michael Ramotowski, Director of Operations for LPP Combustion. “We can help power plants meet their RPS requirements with existing gas turbines while achieving natural gas level criteria pollutant emissions and no net carbon emissions.”

Carbon legislation is currently being debated at the national level, while many states are proceeding without federal leadership. New England and several Mid-Atlantic states have formed the Regional Greenhouse Gas Initiative (RGGI), and several western states, including California, have formed the Western Climate Initiative (WCI). Both of these initiatives call for a cap and trade program for carbon emissions. RGGI is scheduled to auction allowances this summer. Given the current environment with renewable energy mandates and carbon legislation looming, LPP Combustion has uniquely positioned itself to provide clean, renewable energy solutions to the power industry by enabling the clean use of biofuels in all DLE gas turbines.

LPP Combustion, LLC, a Maryland-based, limited liability company. For more information, please contact:

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