



NRG Energy Testing GreenFuel Technologies Algae Bioreactor System to Recycle Carbon Dioxide Emissions into Renewable Biofuels at Louisiana Power Plant

April 13, 2007

PRINCETON, N.J. & CAMBRIDGE, Mass--(BUSINESS WIRE)--April 13, 2007--NRG Energy, Inc. (NYSE:NRG) and GreenFuel Technologies Corporation (GreenFuel) announced today the commencement of field testing GreenFuel's proprietary Emissions-to-Biofuels(TM) technology at NRG's Big Cajun II - a 1,489 net megawatt coal-fueled power plant in New Roads, Louisiana.

GreenFuel's Emissions-to-Biofuels(TM) process uses naturally occurring algae to capture and reduce flue gas carbon dioxide (CO₂) emissions into the atmosphere. The energy-rich algae are harvested daily and can be converted into a broad range of biofuels or high-value animal feed supplements. Power generators can choose to dry and store the carbon-rich algae biomass for use as renewable fuel for the power plant or convert it to valuable transportation fuels such as biodiesel or ethanol. The process requires no re-engineering of the power plant.

"Coal is--and will remain--the premier domestic fuel source for power generation purposes in the United States for the foreseeable future," said David Crane, NRG President and Chief Executive Officer. "This means it is incumbent on us not only to build new coal plants using technology which limits or eliminates greenhouse gas emissions but also to find the best way to retrofit the country's existing fleet of coal plants for post-combustion carbon capture."

In the initial field testing, which will last approximately four months, algae species will be selected to optimize biofuel production based on the site's flue gas composition, local climate and geography toward an ultimate goal of construction of a commercial-scale facility.

A full scale commercial deployment could recycle enough CO₂ to yield as much as 8,000 gallons of biodiesel per acre annually under optimum conditions.

"We at NRG and Big Cajun are very proud of our environmental record and want to do more to support responsible baseload electricity generation," said Jeff Baudier, President of NRG's South Central Region. "There is currently no commercial-scale technology to address the discharge of carbon post combustion. Through this test, we hope to help advance GreenFuel's technology that could potentially reduce carbon emissions from the hundreds of existing coal plants that are so important to our electrical infrastructure."

"With the help of forward thinking and environmentally responsible companies like NRG, we can use algae to recycle power plant CO₂ emissions safely and economically into a continuous supply of clean, renewable fuels," said GreenFuel Technologies CEO, Cary Bullock.

About NRG Energy, Inc.

NRG owns a diverse portfolio of power-generating facilities, primarily in Texas and the Northeast, South Central and West regions of the United States. Its operations include baseload, intermediate, peaking, and cogeneration and thermal energy production facilities. NRG also has ownership interests in generating facilities in Australia, Brazil and Germany. The Company's "ecoNRG" program encompasses overall and ongoing environmental, or "green" business efforts, such as this emissions-to-biofuel study.

About GreenFuel Technologies Corporation

With more than a dozen pending patents, GreenFuel Technologies Corporation is a recognized leader in the development of algae bioreactor systems that recycle carbon dioxide into clean renewable biofuels. GreenFuel Technologies Corporation is winner of both the "2006 Platts Global Energy Award for Energy Emission Project of the Year," and the "2006 Frost & Sullivan Innovation of the Year Award - Biofuels." Founded in 2001, the company is headquartered in Cambridge, Massachusetts.

This news release contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. Such forward-looking statements are subject to certain risks, uncertainties and assumptions and typically can be identified by the use of words such as "will," "expect," "estimate," "anticipate," "forecast," "plan," "believe" and similar terms. Although NRG believes that its expectations are reasonable, it can give no assurance that these expectations will prove to have been correct, and actual results may vary materially. NRG undertakes no obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise. Factors that could cause NRG's actual results to differ materially from those contemplated in the forward-looking statements included in this news release may be found with information regarding risks and uncertainties that may affect NRG's future results, which are included in NRG's filings with the Securities and Exchange Commission at www.sec.gov.

More information on NRG is available at www.nrgenergy.com and GreenFuel Technologies at <http://www.greenfuelonline.com>.

CONTACT: NRG Contacts:

Media:

Meredith Moore, 609-524-4522

or

David Knox, 713-795-6106

or

Investors:

Nahla Azmy, 609-524-4526

or

Kevin Kelly, 609-524-4527

or

GreenFuel Technologies Contact:

Media:

Marc Bane, 978-443-2378

SOURCE: NRG Energy, Inc.