Renewable Energy Update http://www.market.intelligence.publication

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Gore, Others, Speak at World Business Summit on Climate

AP - May 24

Climate-change heavyweights U.N. chief Ban Ki-moon and Nobel prize winner Al Gore urged more than 500 business leaders to lend their corporate muscle to reaching a global deal on reducing greenhouse gases. The CEOs of PepsiCo, Nestle, BP and other of the world's major businesses began meeting in Copenhagen, where politicians will gather in December to negotiate a new U.N.-brokered climate treaty. The three-day World Business Summit on Climate Change is a precursor to the negotiations to determine what will succeed the Kyoto climate treaty that expires in 2012. A new global warming treaty would build on the Kyoto treaty's mixed success in requiring that 37 industrialized nations reduce greenhouse gas emissions an average of 5 percent below 1990 levels by 2012.

Renewable Energy Focus

Climate Bill Draws Mixed Response

SustainableBusiness.com News - May 25

Response to the Waxman-Markey climate change bill passed by the House Energy and Commerce Committee has been mixed. Republicans continue to stand in opposition to the bill, which would create a carbon cap-andtrade program in the U.S., as well as a mandate for the creation of renewable energy. But some environmentalists, who say the bill is too weak, also are against the bill. Most notably, Greenpeace and the Center for Biological Diversity said they could not support the bill.

Bright Future for Plant-Derived Jet Fuels

New York Times, Greenwire - May 29

Jet fuels derived from algae, camelina and jatropha -- plants that pack an energy punch, are not eaten as food and do not displace food crops -- could be approved and replacing petroleum fuels in commercial flights as early as next year, a Boeing executive says. Bill Glover, managing director of environmental strategy for Boeing Commercial Airplanes said the technology is ready. Now, it is just a matter of growing enough non-food feedstock plants and refining enough of their oil. Not only has the industry proved the technical capability, but it also has shown that biofuels can improve overall fuel efficiency.

New Turbine Blade Technology Optimizes Wind Power

SustainableBusiness.com - May 29

Researchers have developed a technique that uses sensors and computational software to constantly monitor forces exerted on wind turbine blades, a step toward improving efficiency by adjusting for rapidly changing wind conditions. The research by engineers at Purdue University and Sandia National Laboratories is part of an effort to develop a smarter wind turbine structure.

Industries Push for Expanded Definition of "Renewable"

New York TImes - May 25

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Have a suggestion? Tell us what you think.

Editors William R. Devine Patrick A. Perry **Emily Murray**

Recent Events

Allen Matkins has attended numerous events addressing developments in the renewable energy field in 2009.

A summary can be found here.

Allen Matkins hosted the successful panel discussion on Renewable **Energy Project Finance**. For a copy of the program materials, click here.

Upcoming Events

South Coast Air Quality Management District "Green Tech Connect Forum"

Pasadena, CA August 3-4

Recent **Opportunities**

LADWP & City of Willows

Inland Empire Utilities Agency Extends Deadline for Fuel Cell Power Generation Systems Design-Build RFP

LADWP: Navy and Marine Corps.; Marin Energy Authority

California Energy **Commission Alternative** and Renewable Fuel and Vehicle Technology **Program**

Los Angeles Department of Water and Power Renewable **Energy Supply Rolling Request for Proposals**

With billions of dollars at stake, energy industries are now pushing to have a growing number of other technologies categorized as renewable - or at least as environmentally advantageous. They include nuclear power prants and the burning of garbage and even the waste from coal mines. In some states, the definition of "renewable" or "alternative" has already expanded. In Pennsylvania, for instance, waste coal and methane from coal mines receive the same treatment as solar panels and wind turbines; in Nevada, old tires can count as a renewable fuel, provided microwaves are used to break down their chemical structure. About half of the 28 states with renewable mandates include electricity generated by burning garbage (the District of Columbia also has a quota for renewable energy).

Notable Renewable Energy Projects and Deals

California's Tigo Energy Raises \$10 Million

CleanTech Brief - May 27

California-based <u>Tigo Energy</u>, developer of a technology to increase the efficiency of photovoltaic solar installations, has closed a \$10-million Series B funding round. Founded in 2007, Tigo Energy completed initial funding with a Series A round led by Matrix Partners and OVP, and has successfully deployed 18 installations in the United States, Europe and Japan in cooperation with several prominent solar industry companies. Encouraged by the success of the initial installations, the company says it is rapidly moving to volume production.

Modesto Irrigation District Looks to Purchase Wind Power from Oregon

Modesto Bee - May 27

The Modesto Irrigation District board has voted to buy at least half of the output of a 100-megawatt wind system planned for the Columbia River Gorge in Oregon. The wind project, expected to be operating by late 2010, will bring the district closer to its goal of producing 20 percent of its power from renewable sources by 2017. It stands at 12 percent, mainly from wind turbines in Solano County and Washington state, and would reach 16 percent with the new project.

Comment Period Extended on 600 Mile Transmission Line

Energy Business Review - May 25

The public comment period for Transmission Agency of Northern California (TANC) and Western Area Power Administration (WAPA) high-voltage power-line project has been extended by 60 days to July 30, 2009. TANC intends to operate the 600 mile, 500 kV electric transmission line from Lassen County to Stanislaus and Santa Clara counties. The firm supplies power to 15 cities, including Redding, Gridley and Biggs, and aims to take solar, wind and geothermal energy from Lassen County to its customers.

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