# Renewable Energy Update

an Allen Matkins market intelligence publication

## Allen Matkins

attorneys at law

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## California, New Mexico, three Canadian provinces outline regional cap-and-trade program

L.A. Times - Jul 28

California, joined by New Mexico and three Canadian provinces, outlined a detailed plan to curb greenhouse gas emissions in a regional cap-and-trade program by January 2012. The Western Climate Initiative, if it survives political hurdles, would be three times larger than an existing trading system for power plants in 10 Eastern states. It would cover not just the electricity sector, but most large industrial plants as well as transportation.

#### RENEWABLE ENERGY FOCUS

#### California launches massive wind farm

UPI - Jul 28

California leaders joined engineers at renewable energy company Terra-Gen Power for the groundbreaking ceremony for a 1,500-megawatt wind farm. The project will provide enough power for 1.1 million California consumers and reduce carbon dioxide emissions by more than 52 million tons, the company said in a statement. The wind farm will feature 600 wind turbines and increase the wind-power capacity in California by 25%.

### Related News:

California's Kern County will host the largest wind farm in the U.S. Wind farm 'mega-project' underway in Mojave Desert Ground broken for wind energy project in Mojave

## California's clean energy future threatened by federal delays: state officials

L.A. Times - Jul 28

Plans for a massive expansion of clean energy in California are being jeopardized by federal foot-dragging, according to state officials who say that more than 20 nearly shovel-ready solar and wind projects are being held up by the U.S. Department of Energy (DOE). The DOE's procedures to guarantee loans threaten to stymie construction financing for many of the projects, and builders could lose out on more than \$10 billion in federal stimulus funding if they can't start digging by the end of the year, the officials say.

## Reid says renewable electricity mandate lacks 60 votes

The Hill - Jul 24

Sen. Majority Leader Harry Reid (D-Nev.) said he does not have enough support now to move a renewable electricity production mandate promoting sources like solar and geothermal. Reid's assessment is a further disappointment to green groups still stinging from his decision to shelve a broader climate and energy strategy that would install a first-time carbonpricing plan for power plants and that also is short of the needed filibusterproof margin.

## **Related News:**

Bid to add renewable energy standard to Senate bill

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## **Upcoming Events**

Energy in California San Francisco, CA September 13-14, 2010

## Draft L.A. report examines transition toward renewable energy

Sunpluggers - Jul 25

The Los Angeles Department of Water and Power, the largest municipal utility in the U.S., has prepared a draft "Integrated Resource Plan" as a guide to how it may acquire and distribute electricity over the next 20 years. One key estimate concludes that by 2030, electricity rates would be expected to rise about 25% compared with today, excluding the effects of inflation, as more renewable electricity is incorporated into the city's energy mix.

## Richmond a leader in Bay Area solar energy surge

GetSolar - Jul 28

The Northern California Solar Energy Association has recently granted Richmond two awards: first place in solar watts-per-capita installed, and second place in total watts installed. Outlined in the group's 2009 Bay Area Solar Installations Report the figures are largely the result of several largescale solar installations that were recently brought online within Richmond's city limits. According to the solar installation report, "solar-friendly utility rates, net metering, ample sun exposure, supportive local, state, and federal government programs and legislation, and a strong environmental ethic."

## NOTABLE RENEWABLE ENERGY PROJECTS AND DEALS

## Southern California Edison awards contracts for 36 solar projects BrighterEnergy - Jul 29

SCE is supporting 500 MW of rooftop solar installations - enough to provide

power for around 325,000 homes. Southern California Edison has awarded 36 contracts to buy nearly 60 MW of power from independent solar power installations. The move comes as part of the company's bid to comply with California's renewable energy targets and Million Solar Roofs goal. Panels will be installed on 31 unused rooftops and five ground-mount sites in the utility's service territory.

### Berkeley lab co-leads \$122M sunlight-to-fuel effort

Contra Costa Times - Jul 23

Electric.

The Department of Energy is putting up \$122 million to create renewable liquid fuels through "artificial photosynthesis." Lawrence Berkeley Laboratory and the California Institute of Technology in Pasadena were selected to lead the research project, the Energy Department announced. Its aim is to master the basic science involved and develop applications that can be scaled up for commercial use. Artificial photosynthesis would be designed to create oxygen and liquid fuels such as hydrocarbons or alcohols that could be directly pumped into vehicles, without additional, costly refinement.

## Recycled Energy acquires California biomass power plant Biomass Magazine - Jul 29

Recycled Energy Development, a Chicago-based waste energy recovery project developer, has acquired the 30 MW Honey Lake biomass power plant in Wendel, Calif. Following acquisition, RED hopes to increase the plant's efficiency and clean energy output. Built in 1989, the Honey Lake plant leverages local geothermal energy to help generate electricity from a biomass feedstock of forest thinnings, logging residue, mill wastes and other waste wood. The facility sells its electricity under long-term contract to Pacific Gas &

Renewable Energy Finance Forum (REFF) West

San Francisco, CA September 29-30, 2010

ICSC RetailGreen Conference & Trade Exposition on Sustainability, Energy & **Environmental Design** Scottsdale, AZ

Solar Power International 2010 Los Angeles, CA October 12-14, 2010

2011 VerdeExchange Los Angeles, CA January 23-25, 2011

October 12-14, 2010

#### **Recent Opportunities**

Municipal Water District's Palo Verde Renewable Energy **Development Opportunity** Request for Proposals

City of Madera Requests for Proposals for Solar Photovoltaic Rooftop Systems at the John W. Wells Youth Center, Madera Police Department, and Madera Redevelopment Agency Building

Pacific Gas and Electric's 2010 Solar Photovoltaic Program Power Purchase Agreement Request for

Los Angeles World Airport's Request for Concepts and Qualifications For the Potential Lease for Development of Renewable Energy Project at <u>Palmdale</u>

San Francisco Public Utilities Commission Request for **Qualifications for Design-Build** Solar Photovoltaic Projects

## Chevron shines with California solar array

UPI - Jul 29

A solar energy project in southern California will remove more than 86,000 tons of emissions from the atmosphere, Chevron said. Chevron's subsidiary, Chevron Energy Solutions, teamed with officials in Brea, Calif., to launch a 1.8 MW solar energy project. The solar farm will position Brea as the largest contributor of solar energy to the electrical grid in Orange County, the company said in a statement.

## Solyndra wins Southern California Edison purchase agreements

San Francisco Business Times - Jul 30

Solyndra Inc. has been awarded 20-year power purchase agreements to supply Southern California Edison with renewable electricity from 16.2 MW of solar systems on 18 rooftops. Fremont-based Solyndra did not disclose financial details of the agreements, which were made to Solyndra's wholly owned subsidiary Photon Solar. Photon Solar expects to complete construction of the 18 systems during 2011.

## ARPA-E awards grant to companies for energy storage projects SolarIndustry - Jul 30

The U.S. Department of Energy's (DOE) Advanced Research Projects Agency-Energy (ARPA-E) has awarded a \$1.6 million grant to a collaboration of DuPont, Lawrence Berkeley National Laboratory, Bosch and 3M to develop a long-lasting, less-expensive way to store clean energy. This technology is aimed at improving the operation of the electric grid through the temporary storage of electrical energy with a new battery system.

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