



CLEANTECH NEWS BULLETIN, 8/26/09

VOL. 8

Welcome to the latest edition of the Colorado Cleantech Industry Association's **Cleantech News Bulletin**. This week's bulletin is packed with upcoming event information. Please be sure to scroll to the end of the announcement so that you don't miss out!

WELCOME NEW MEMBERS

Please join us in welcoming the following new members to the CCIA community:

[Altira Group LLC](#)
[Dorsey & Whitney, LLP](#)
[Ormat](#)
[Stewart Environmental Consulting](#)
[Van Gilder Insurance Company](#)
[Yellowdog Printing](#)

[Click here for a full list of CCIA Members](#)

CCIA SMART GRID SERIES

Mark your calendars! - The CCIA Smart Grid Series, "The Smart Grid, Technology, and Colorado – How will the smart grid place Colorado at the center of the cleantech revolution?" will kick off in September. The series will be held on the 5th floor of the Chamber of Commerce on the following dates.

- 1) September 30 - 7:30 - 10:00 a.m. *hosted by Fairfield & Woods P.C.*
- 2) October 28 - 7:30 - 10:00 a.m. *hosted by Faegre & Benson LLP*
- 3) November 10 - 7:30 - 10:00 a.m.

More information will be coming soon!

CCIA MEMBER BLOGS

[Coloradocleantech](#)
[Pike Research](#)
[Cleantechblog](#)



BLOG

Do you have a blog you would like to share with other CCIA members? Send your link to Shelly@coloradocleantech.com

Program Wrap-up

For those of you that weren't able to make it to the **Mexico Cleantech** program on Wednesday, August 26, here are a few facts and figures to consider:

- From 2002-2006, Mexico's average infrastructure investments averaged 3.2% of GDP. Since President Calderón took office, this has continually increased to over 5.5% in 2009.
- The 2009 budget for infrastructure is the largest in Mexico's history.
- Mexico City is planning to build the 2nd largest wastewater treatment plant in the world (behind Paris).
- 24 municipalities have some form of biogas recovery system and biogas generation installed capacity is almost 20MW. Over 50 MW in biogas recovery projects are currently in the feasibility study stage.
- 6 new municipal landfills are planned for tender in 2009-2010, estimated at \$18 million.
- Mexico is the 4th largest country offering CO2 reductions under the Kyoto Protocol.
- Mexico's rural electrification program calls for renewable energy projects in some 2,500 rural communities.

If you would like more information on cleantech opportunities in Mexico, please contact Amy Reichert, Colorado Office of Economic Development & International Trade, 303-892-3850.

MEMBER & INDUSTRY NEWS

Colorado Cleantech News

8/24/09 - [Lockheed Wants to Help Utilities Pitch Smart Grid Projects](#), Source: [green.venturebeat.com](#)

8/21/09 - [Ryan Ferrero at CCIA](#), Ryan Ferrero of Primoris Energy Solutions talks at the CCIA launch about how the company is bringing clean technology and innovation to the transportation industry, Source: [ColoradoBiz TV](#)

8/21/09 - [Awash in advice, clean-tech firms seek the prize](#), Source: [Denver Business Journal](#)

8 /22/09 - [New Belgium Brewing Installing Largest Private Solar Array in State](#), Source: [Colorado Energy News](#)

National & International Cleantech News

8/21/09 - [Chinese Solar Companies Report Weak 2Q Results, Rising Shipments](#), Source: [New York Times](#)

8/18/09 – [Green dollars moving to smart grid, energy storage](#) Source: Reuters

8/19/09 - [Australian Parliament OKs 20% by 2020 Renewable Energy Target](#), Source: [redgreenandblue.org](#)

Meeting with the Federal Reserve Bank

CCIA Executive Director Chris Shapard and Mike Devery from Silicon Valley Bank met with Mark Snead, Assistant Vice President, Branch Executive and Economist for the Federal Reserve Bank of Kansas City, Denver. Mr. Snead, the highest ranking Branch executive in Denver, is very interested in learning about CCIA, our mission and our insight into the challenges for growing Colorado's cleantech industry. Chris and Mike outlined the various sector specific players in the cleantech marketplace, where each sector is in their development cycle and the challenges and opportunities faced in the current marketplace and the importance of cleantech as an economic driver. CCIA representatives will meet with Mr. Snead on a quarterly basis.

ARRA NEWS – ADVANCED ENERGY MANUFACTURING TAX CREDIT (48C)

The American Reinvestment and Recovery Act of 2009 (ARRA) authorizes the Department of Treasury to award \$2.3 billion in tax credits for qualified investments in advanced energy projects, to support new, expanded, or re-equipped domestic manufacturing facilities. [The Advanced Energy Manufacturing Tax Credit \(MTC\) was authorized in Section 1302 of ARRA](#) and requires the Secretary of Treasury to work in consultation with the Secretary of Energy. The MTC is also referred to as Section 48C of the Internal Revenue Code. The goal of the MTC is to grow the domestic manufacturing industry for clean energy, thereby supporting the larger goals of ARRA to stimulate economic growth, create jobs, and reduce greenhouse gas emissions. In short, the MTC will help secure American leadership in the clean energy sector.

The MTC provides a 30% credit for investments in new, expanded, or re-equipped advanced energy manufacturing projects. Up to \$2.3 billion in MTCs will be allocated for advanced energy projects, which will support total capital investments of almost \$7.7 billion in new renewable and advanced energy manufacturing projects. The Department of Energy (DOE) and the Internal Revenue Service (IRS) will review and make determinations on the eligibility and merit of MTC applications. Applicants will receive tax credits based on the expected commercial viability of their project and the ranking of their project relative to other projects. Rankings based on: expected job creation, reduction of air pollutants and greenhouse gas emissions, technological innovation, and ability to have the project up and running quickly. Technology, geographic & project size diversity, and regional economic development will also be considered when rating projects. **The application period opens August 14, 2009. Preliminary applications are due to DOE September 16, 2009, followed by final applications being due to DOE and IRS on October 16, 2009.** By January 15, 2010, IRS will certify or reject applications, and notify the certified projects with the approved amount of their tax credit. Awardees will receive acceptance agreements from the IRS by April 16, 2010. Credits will be allocated until the program funding (\$2.3 billion) is exhausted. Subsequent allocation periods will depend on remaining funds. Projects must be

completed within 4 years of their tax credit acceptance. Eligible investment credits cover future expenditures and do not award past investment. All other applicable sections of the Internal Revenue Code are in force. Section 1302 of the ARRA describes the following advanced energy facilities, for which manufacturing projects would be eligible:

- Technologies that create energy from renewable resources (sun, wind, geothermal and other renewable resources)
- Energy storage technologies (fuel cells, microturbines or other energy storage systems used in electric vehicles)
- Advanced transmission technologies that support renewable generation (including storage)
- Renewable fuel refining or blending technologies
- Energy conservation technologies (advanced lighting, smart grid)
- Plug-in electric vehicles & vehicle components (motors, generators)
- Property to capture and sequester carbon dioxide
- Other property designed to reduce greenhouse gas emissions

It should be noted this tax credit does not support energy generation projects, but rather the manufacturing facilities that support generation and conservation.

CLEANTECH INDUSTRY EVENTS

Building on Success, September 1, 10:30 a.m., Cherokee Park Ballroom, Lory Student Center, CSU. Join Vestas, Abound Solar, Horizon Wind, Bella Energy and others for a discussion about building on Colorado's success as a leader and a national model for building a successful clean energy economy. Because of this leadership position, our state stands to gain even more if Congress passes a comprehensive clean energy bill this fall. We are hosting an invite only forum to discuss the impacts of the American Clean Energy and a federal renewable energy standard on Colorado's clean tech sector. **Please contact Solar Energy Industry Association at 303-333-7342 for more information.**

[The First 300 Days: An Assessment of Obama's Energy and Climate Policy](#), September 3, 7:00 pm, Wolf Law Building, Wittemyer Courtroom, CU. This program, sponsored by RASEI - the Renewable and Sustainable Energy Institute (formerly the CU Boulder Energy Initiative) – will feature a panel discussion focused on several energy and climate-related policy issues that have arisen under Obama including cap and trade legislation, EPA regulation of CO₂, renewable energy standards, climate change adaptation, and the future of fossil fuels.

[Modern Energy Investor Forum](#), Denver, CO – September 9, 2009

The Modern Energy Investor Forum is the foremost investor meeting in North America for Modern Energy. It brings together the pioneers of the Modern Energy sector with investors and analysts from around the world. This is a cost-effective and time-effective opportunity for companies and investors to meet and build relationships with each other.

[LEED Green Associate Exam Prep Course](#), Sept. 23, Boulder, CO

A new offering of the U.S. Green Building Council's LEED 2009 v3 is the Green Associate credential. To pass the GBCI exam that awards this professional accreditation, it requires an understanding of LEED's core concepts and strategies, but it does not require the hands-on technical knowledge that, for example, architects and engineers bring to the actual construction or renovation of a building.

[The Energy Commercialization Workshop Series, Session I - Biofuels Development and Scale-Up – The Truths, Myths and Real Risks](#), Session I - Sept. 21, 9:00 am – 1:00 pm. The Ritz Carlton, Denver.

The Renewable and Sustainable Energy Institute (RASEI), Colorado Energy News, Colorado Center for Biorefining and Biofuels (C2B2) are hosting a new series of thought leadership workshops designed to provide a definitive, actionable market roadmap for participants. In an unprecedented cooperative program, this series brings together experts and stakeholders to develop a framework for thinking through and solving difficult but highly relevant business and commercialization issues in key

energy sectors. Biofuels leaders from across all segments academia, research labs, start-ups and mature industry will meet to forge a framework for analyzing critical commercial scale up issues within biofuels.

22nd NREL Industry Growth Forum, Golden, CO- November 3 – 5, 2009

Join the ranks of sustainable energy companies who have gleaned windfall funding and focused expertise from within the catalytic atmosphere of the Forum. Working with the Forum will allow you to showcase your company to an audience of the world's leading energy investors, industry executives, and potential partners. If your company is looking for \$1 million or \$100 million in financing; this is the place for you! Presenting companies are selected by a committee that includes venture capitalists, investment banks, and energy experts from across the United States. The best presentations are awarded with cash prizes and in-kind technology consulting services from NREL.

Advanced BioEnergy 2009, Sacramento, CA – November 11 – 13, 2009

Advanced BioEnergy 2009 will explore emerging policies, business strategies, technologies and economics driving the bioenergy industry, promote cooperation between this burgeoning industry and traditional energy producers and offer paths forward.

GET INVOLVED

CCIA is your industry association. Please help us provide you with the information, resources, programs and services you need to grow your business. Three ways to get involved:

- 1) **Program Development:** If you would like to help us develop programs, please contact Chris Shapard at chris@coloradocleantech.com
- 2) **Committee Participation:** We are developing committees that will ensure membership in CCIA provides a tangible, valuable and ongoing benefit to Colorado's cleantech business community. If you would you like to be involved, email Shelly Curtiss at shelly@coloradocleantech.com
- 3) **Lobbyists:** CCIA member companies can take advantage of the organization's DC lobbying team for advice and direction. Please call or email Chris to get connected: 303-623-2690 or chris@coloradocleantech.com



CCIA

Colorado Cleantech Industry Association

The Colorado Cleantech Industry Association represents the interests of the state's cleantech industry. Our mission is to further establish Colorado as a world leader in clean technology by providing representation and advocacy, a unified voice, relevant programming and capacity development.

Industry-Led, Industry-Focused