

BREEE News V31
Boulder Renewable Energy & Energy Efficiency Working Group
<http://boulderenergy.org>
6/6/05

"When you have to classify the very capacity of the Earth to support life as an 'externality', then it is time to rethink your theory."
--Herman Daly

Quick Picks

Happy Birthday BREEE News. 1 year old on 5/14/05.

BREEE Meeting

Help determine BREEE's future. Should we stay as we are, formally incorporate as a non-profit, or join an existing non-profit.

Discussion and vote: Thursday June 16th 8:30 AM to 10:00 AM at the Recycling Center

Contact Ken Regelson or Amy Ellsworth for more information. regelson@mac.com or aellsworth@conservationcenter.org

Amendment 37 Reply Comments Due June 15

Expect a separate action item on this in the next few days.

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From Boulder & Colorado

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Boulder County Top 10 Polluters
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Denver Business Journal: WindSource Losing Gusto

Calendar

CREC - Colorado Renewable Energy Conference. Fort Collins. 6/9 - 11.
--> BREEE Meeting: 6/16. 8:30 AM. Recycling center. See Quick Picks above.
CESC: Affordable Cooling Workshop. 6/25. 9 AM. Denver.

*** = BREEE event or co-host of some kind.

From Elsewhere

Yet Another Muni Electric Adopts a Renewable Portfolio Standard
NREL: Quantum Dots Produce 3 Electrons From 1 Photon
Vehicle Integrate PV Study (solar electric on cars)
PowerLight Enters Residential Market with SunTile
Wall Street Journal: Solar Power Heats Up
Consumer Reports' Greener Choices Website
Solar PV is Cheaper Than Gasoline
Peak Electricity Pricing May Put Bite on Small Businesses

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To Submit to BREEE News – email Regelson@mac.com. Put BREEE News in the Subject. Suggest a title and a 2 or 3 sentence summary. Include a link to the original article or a web page, or provide your email address, for more information.

Edited and distributed by Ken Regelson. Articles that do not list who submitted them are probably from Ken.

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From Boulder & Colorado:

Boulder Residents: How Much Do You Emit?

Help the city debug a GHG calculator.

The average Boulder household emits about 15.5 TONS of global warming greenhouse gases every year (from houses and cars combined). To encourage residents to take stock of their own emissions, and to get people thinking about how they can lower their emissions footprint, the City of Boulder is developing a household energy and greenhouse gas emissions calculator. The calculator is currently in Beta form.

The City's Office of Environmental Affairs (OEA) is asking BREEE News recipients to take it for a test drive. In addition, OEA would like to start compiling information on the energy and emissions profile of a few representative Boulder households, so the information will be valuable not only to you, but also to the City in shaping its climate and energy programs and meeting its greenhouse reduction goal.

The calculator can be downloaded at:

http://www.ci.boulder.co.us/environmentalaffairs/Utility_Bill_Analysis.xls

You'll need Microsoft Excel, a year's worth of electricity and gas bills, and information on the vehicles you drive and how much you drive them.

After you've downloaded and filled it all out, please do the following:

1) Send the completed spreadsheet to Josh Radoff at
radoffj@ci.boulder.co.us

Josh will add your info into the Boulder database. If you happen to have a very low carbon footprint, he will probably follow up with you to see how you've done it and if you want to be a case study.

2) Send Josh any comments on how to make the calculator better.

3) Take stock of how much you emit; be aghast, and think about how you can make reductions.

3) Think about organizing your community groups or neighborhood to make broad emission reductions. Contact Josh at the City to find out how. (303-441-3878)

Happy calculating!

Painting the Workplace Green

Denver Post on energy efficient buildings throughout the state.

http://www.denverpost.com/business/ci_2765037

From Ross Vincent

Boulder County Top 10 Polluters

Daily Camera: Xcel Valmont station better than last year but still the worst in the county, 19th worst in the state.

http://www.dailycamera.com/bdc/science/article/0,1713,BDC_2432_3771565,00.html

http://www.dailycamera.com/bdc/science/article/0,1713,BDC_2432_3771559,00.html

Letters to the Editor

Daily Camera:

Xcel: Green Posturing Doesn't Fool Me

http://www.dailycamera.com/bdc/letters_to_editor/article/0,1713,BDC_2491_3809289,00.html

Rocky Mountain News:

Xcel Energy Playing Customers Like a Fiddle

Xcel's Record Woeful on Renewable Energy

http://www.rockymountainnews.com/drmn/business/article/0,1299,DRMN_4_3812568,00.html

Boulder One of Top 10 Greenest Cities

<http://www.thegreenguide.com/doc.mhtml?i=107&s=cities>

From Eric Johnson.

Denver Business Journal: WindSource Losing Gusto

"And some in the environmental community say WindSource's time has come and gone."

http://www.bizjournals.com/industries/energy/electric_utilities/2005/05/30/denver_story5.html?f=et158

From John Anderson.

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Calendar:

CREC 2005. Colorado Renewable Energy Conference.

Fort Collins.

6/9 - 11

Colorado Renewable Energy Society.

<http://www.cres-energy.org/crec2005/>

CESC: Affordable Cooling Workshop

6/25. 9 AM - noon

Denver. Small fee.

http://www.energyscience.org/homeowners/workshops/affordable_cooling.htm

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From Elsewhere:

Yet Another City Owned (Muni) Electric Company Adopts a Renewable Portfolio Standard

Los Angeles adopts 20% by 2017 renewable portfolio standard. Joins Fort Collins and Austin.

<http://www.renewableenergyaccess.com/rea/news/story?id=31151>

NREL: Quantum Dots Produce 3 Electrons From 1 Photon

This has enormous implications for higher efficiency PV. Typical mass produced solar panels are in the 12 to 18% range.

"When today's photovoltaic solar cells absorb a photon of sunlight, the energy gets converted to at most one electron, and the rest is lost as heat... 'We have shown that solar cells based on quantum dots theoretically could convert more than 65 percent of the sun's energy into electricity, approximately doubling the efficiency of solar cells,' Nozik said."

http://www.nrel.gov/news/press/2005/1805_quantum_dot.html

From Pam Milmo.

Vehicle Integrated PV (VIPV) Study

A study of the impact of integrating solar electric (PV - Photovoltaics) into hybrid cars. Would add \$1500 to the price of a hybrid car. In a sunny climate, could generate enough electricity to drive a car 5,100 miles per year.

"If the 200 million cars in the United States had 500 watts of solar cells integrated into their body panels, it would represent roughly one-seventh of the total installed generating capacity in the United States."

<http://www.renewableenergyaccess.com/rea/news/story?id=31149>

PowerLight Enters Residential Market With SunTile

Integrates with shingles or roof tiles. Does not mount above the roof on a rack. Ventilated to keep cool (improves cell efficiency). Using SunPower high efficiency cells.

<http://www.solarbuzz.com/news/NewsNAPT113.htm>

From Morey Wolfson.

WSJ: Solar Power Heats Up

Major article on solar in the Wall Street Journal.

http://www.seia.org/news/external/WSJJune2_2005.asp

From Morey Wolfson.

Consumer Reports' Greener Choices Website

<http://greenerchoices.org/>

Solar PV is Cheaper Than Gasoline

An analysis comparing today's cost of solar in an electric car vs. \$2 a gallon gasoline in a 40 MPG car. Result: about the same monthly cost for fuel.

<http://www.evworld.com/view.cfm?section=article&storyid=856>

Peak Pricing May Put Bite on Small Businesses

Time of Use (TOU) pricing in California.

http://www.bizjournals.com/industries/energy/electric_utilities/2005/05/30/sanjose_story2.html?page=1

From John Anderson.

Schwarzenegger Unveils Global Warming Plan at UN Conference

"Today, California will be a leader in the fight against global warming,' Schwarzenegger told an international audience of mayors and environmentalists at San Francisco City Hall. 'I say the debate is over. We know the science, we see the threat and we know the time for action is now.'"

http://helenair.com/articles/2005/06/02/national/a05060205_01.prt

Big Picture, Small World

Flash movie putting 10 seconds into perspective.

<http://www.bigpicturesmallworld.com/UNEP2/UNEP2Movie.html>

