

From: Gil Masters (gmasters@stanford.edu)
To: energyfolks@lists.stanford.edu
Date: Sunday, January 27, 2008 7:10:40 PM
Subject: talks, CO2 pollutant, B2G, CO2 course, 7.5 MW turbine

STANFORD EVENTS

1. Energy Social, Weds Jan 30, 5:30 Stanford Faculty Club
2. Energy Seminar, Weds Jan 30, 4:15 IPCC Synthesis Report Panel
3. McKinsey & Co. Global Warming Report BBL: Tuesday, January 29th 12pm-1pm
4. Global Warming & the Media: Tuesday, Jan. 29, 6:00pm-8:00pm, Schwab Center
5. Energy, Environment, Security: Can We Have it All? Feb 4, 4 pm
6. "Greening Our Cars: A Global Warming Imperative", Tues, Jan 29, 12:15

IN THE NEWS

7. California Suffers Disproportionate Death Rate >From Carbon Dioxide Pollution, Study Finds
8. Study Shows Consumers and Grid Friendly Appliances Can Cut Energy Use and Peak Demand
9. Demand Response, Smart Grids, Smart Buildings Conference, Santa Clara, May 20-22
10. BIG 7.5 MW Offshore Wind Turbine
11. Old North Dakota law forbids considering pollution in power-plant proposals
12. CA Bill Considers Feebates based on car emissions
13. Tesla sets Roadster date Production to Begin in March
14. UC Boulder to offer Online Course on Carbon Neutral University Planning, Feb 4-Apr 18
15. Carbon Forum America 2008, San Francisco, Feb 26-27, Moscone Center
16. Abu Dhabi Commits US\$15 Billion to Alternative Energy, Clean Technology
17. Geothermal Energy Growth Surge Continues, New Industry Survey Reports

JOBS JOBS JOBS

18. Internship for California Sustainability Alliance, Navigant
19. Internships: Transatlantic Renewable Energy Exchange, Germany
20. CalCars 2.0 Seeks Entrepreneur/Manager
21. SunPower: Sourcing Manager - Inverters
22. Two summer Interns: RPS group at the CPUC, San Francisco
23. Summer Internship, MMA Renewable Ventures, LLC, San Francisco
24. Clean Energy Program, UCS, Cambridge, MA
25. Portland Energy Conservation Inc. Energy engineers, analysts, mechanical engineers
26. New York State Energy Research and Development Authority (NYSERDA)
27. Ausra: Solar Thermal Power, Project Director, Director of Transmission Strategy
28. Bilingual energy efficiency researcher, Oakland
29. Sonoma County: Energy and Sustainability Program Manager
30. Sustainability Science and Engineering Faculty Position UC-Merced
31. Energy Engineer, Energy Center of Wisconsin
32. 2 Jobs at Arup Energy Analyst, Sr. Mechanical HVAC Engineer
33. Vice President: Buildings Business Unit Leader, MN
34. Asst/Associate Professor, Sustainable Architecture, NCState

35. Part time position, Welsh School of Architecture, UK

STANFORD EVENTS

1. Energy Social, Weds Jan 30, 5:30 Stanford Faculty Club

Students, faculty and local community members who share an interest in energy issues are invited for refreshments and conversation at Energy Socials (former "Icebreakers").

- When: Wednesday, Jan 30
- Wednesday, Feb 6
- Wednesday, Feb 27
- Wednesday, April 9
- Wednesday, April 30
- Wednesday, May 21

Time: 5:30 pm-7:30 pm

To help us with numbers, please let us know if you plan on attending the January Energy Socials. RSVP to judith@maproyalty.com.

Sponsored by MAP (www.maproyalty.com)

2. Energy Seminar, Weds Jan 30, 4:15 IPCC Synthesis Report Panel

The Stanford community is invited to attend the weekly Energy Seminar, an interdisciplinary series of talks primarily by Stanford experts on a broad range of energy topics. Drop-ins welcome.

Wednesdays, 4:15 to 5:15 p.m. Bldg 420, Room 40

January 30*

Panel of Stanford's IPCC representatives discuss the IPCC Synthesis Report
Thomas Heller, Michael Mastrandrea, Terry Root, Stephen Schneider, and John Weyant
The IPCC, from humble beginnings to the Nobel Prize: where should it go from here?
Following the talk, we will have a reception honoring the IPCC contributors and the Nobel Prize

February 6*

TBD

February 13

Professor Kenneth S. Deffeyes, Princeton University

Beyond Oil: The View from Hubbert's Peak

February 20

Professor Christopher Field, Carnegie Institution, Stanford University
Carbon Emissions: Past, Present, and Future

February 27*

Carrie Armel
Using the Behavioral Sciences to Address Climate Change and Energy Security Issues

March 4, Tuesday, 1:00 to 4:00, sponsored by the Woods Institute for the Environment and Energy
Crossroads

Sustainable Places: Leadership in the Public and Private Sectors
Memorial Auditorium

March 12

Dan Reicher, Director of Climate Change and Energy Initiatives, Google
RE<C

**3. McKinsey & Co. Global Warming Report BBL: Tuesday, January 29th 12pm-1pm,
S150 (Graduate School of Business)**

How much and at what costs can the U.S. reduce global warming emissions? What are the risks and opportunities across different sectors and regions? What technology innovations will make a difference? Join Rick Duke, Director of NRDC's [Center for Market Innovation](#), for an informal discussion of the McKinsey report findings and the implications for business leaders and policymakers ([report](#)). RSVP to Bordetsky_ann@gsb.stanford.edu.

Speaker: Rick Duke, who joined the Natural Resources Defense Council (NRDC) from McKinsey & Co., where he consulted on strategy, operations, and organization.

**4. Global Warming & the Media: Tuesday, Jan. 29, 6:00pm-8:00pm, Schwab Center
Vidalakis Hall**

Join prominent journalists and entrepreneurs for a discussion of the recent McKinsey & Co. report on global warming ("[Reducing U.S. Greenhouse Gas Emissions: How Much at What Cost?](#)") and the role of media in translating information about global warming to the public. The event is sponsored by Environmental Entrepreneurs (E2) and will also feature an announcement of a new fellowship in environmental market innovation. Space is limited.

Please RSVP to Bordetsky_ann@gsb.stanford.edu by January 23rd... oops

Speakers: Rick Duke, Director of [Center for Market Innovation](#), Natural Resources Defense Council ([read bio](#)); Felicity Barringer, National Environment Reporter, New York Times ([read bio](#)); Chip Giller, President and Founder, Grist.org ([read bio](#)); Peter Waldman, Senior Writer, Portfolio magazine ([read](#)

[bio](#)). Moderated by Nicole Lederer, Co-Founder of E2.

5. Energy, Environment, Security: Can We Have it All? Feb 4, 4 pm

Arillaga Alumni Center
Steve Koonin, Chief Scientist, BP

6. "Greening Our Cars: A Global Warming Imperative", Tues, Jan 29, 12:15

The Atmospheric/Energy Group in CEE would like to invite you to join us for
"Greening Our Cars: A Global Warming Imperative"
Tuesday, January 29th, 12:15 - 1:10 pm

Building 420 Room 41

Given by: Patricia Monahan - Deputy Director for Clean Air Vehicles, Union of Concerned Scientists (UCS)

IN THE NEWS:

7. California Suffers Disproportionate Death Rate >From Carbon Dioxide Pollution, Study Finds

A recent study by Prof. Mark Jacobson of Stanford University found that carbon dioxide from coal-fired power plants and automobiles has been [causing hundreds of premature U.S. deaths each year over the last several decades](#). The deaths were due to lung and heart ailments linked to ozone and polluting particles in the air, which are triggered by carbon dioxide from human activities. This is the first time a scientist has specifically linked a human-generated greenhouse gas to human mortality. Carbon dioxide remains unregulated by the U.S. Environmental Protection Agency, which is blocking California from setting its own regulations. Jacobson's [study](#), to be published in Geophysical Research Letters, was released soon after the EPA rejected a request by California and 15 other states to let them set higher standards for carbon emissions from cars, trucks and SUVs than the federal government does. EPA argued that California did not have a special circumstance warranting this change, that there were no studies isolating carbon dioxide's effects and none looking at health impacts. Using a computer model and data on carbon emissions from the EPA, Jacobson found the impact of carbon dioxide emissions was worse in populous, heavily polluted places. "Of the additional 5 deaths per year due to ozone and particles 5 about 30% of those occurred in California, which has 12% of the (US) population," Jacobson told Reuters.

http://www.fypower.org/pdf/Stanford_CO2_Jacobson.pdf

8. Study Shows Consumers and Grid Friendly Appliances Can Cut Energy Use and Peak Demand

Technology to help Americans reduce electricity use when the grid is stressed could help utilities save \$120 billion on spending for new power plants and transmission lines, government officials and researchers said recently after a study by the [Pacific Northwest National Laboratory](#) (PNNL). The [GridWise Demonstration Project](#) recently concluded that advanced technologies enable consumers to save money and energy while improving power grid efficiency and reliability. Over the duration of the study, participants who responded to real-time prices reduced peak power use by 15%. On average, consumers who participated in the year-long project saved approximately 10% on their electricity bills.

The GridWise demonstration involved two projects. The [Olympic Peninsula Project](#) revealed that homeowners are willing to adjust their energy use based on price signals. The [Grid Friendly Appliance Project](#) found that household appliances automatically reduce energy consumption at critical moments when they are fitted with controllers that sense stress on the grid. In the Olympia project, homeowners received new electric meters, thermostats, water heaters and dryers connected via [Invensys Controls' home gateway devices](#) to IBM software. Participants received constantly updated pricing information online and could adjust devices to a desired level of comfort or economy. The devices reduced usage in peak periods with lowered thermostats, or automatically shut off heating elements of water heaters to the pre-set limits established by the homeowner. In the Grid Friendly Appliance Project, grid friendly controllers were embedded in dryers and water heaters in 150 homes in Washington and Oregon. The vast majority of homeowners in the study stated they would be willing to purchase an appliance configured with such grid-responsive controls.

http://www.fypower.org/pdf/PNNL_GridWise_FactSheet.pdf
http://www.fypower.org/pdf/PNNL_GFA_Project.pdf

9. Demand Response, Smart Grids, Smart Buildings Conference, Santa Clara, May 20-22

Five years evolving Smart Buildings
Evolving the Smart Grid
Smart Meters driving Home Connectivity
ZigBee wireless technologies
Industrial Automation IT & Connectivity
Four years defining Machine-to-Machine
Demand Response, where buildings meet the grid

ConnectivityWeek: Empowering the Energy Revolution
Santa Clara Convention Center
May 20-22
www.connectivityweek.com

10. BIG 7.5 MW Offshore Wind Turbine

Jan 21 - Business Wire

California energy giant Clipper Windpower, Plc (www.clipperwind.com) has chosen Blyth, Northumberland in the United Kingdom as the site for a new generation of offshore wind turbines.

Called the "Britannia Project," the \$65 million development program advances Clipper turbine technology to a 7.5 MW wind turbine scale which will be among the largest and most powerful offshore turbines in the world.

For more information about North England, please visit www.northengland.com

11. Old North Dakota law forbids considering pollution in power-plant proposals

Jan 22 - McClatchy-Tribune Regional News - Jonathan Rivoli The Bismarck Tribune, N.D.

Under a law passed by the Legislature in 1995 it is illegal for the state Public Service Commission to consider environmental damage as part of the cost of producing power. The law specifically forbids the commission from assigning a monetary cost to environmental damage or considering "the alleged costs of complying with future environmental laws or regulations that have not yet been fully enacted."

Supported by the coal industry and the PSC, the law emerged from a spat with Minnesota regulators and a fear that unquantifiable environmental costs would make their way into North Dakotans' electricity bills in the form of guesses.

13 years later, the law still constrains regulators in their decisions and may make it more difficult for the state to work with its neighbors to mitigate growing concern over CO2 emissions and global warming.

If the utility seeks to serve both North Dakota and Minnesota -- as many large ones do -- it will face regulators in one state that forbid the consideration of environmental costs and regulators in another that require the consideration of those same costs. If it proposed to build a coal plant, Minnesota regulators could disapprove because an alternative energy source is cheaper when considering environmental costs. If it proposed an alternative -- such as natural gas or wind -- North Dakota regulators could disapprove because the cheaper coal plant would be considered best for ratepayers when environmental factors aren't included.

The new Minnesota requirement doesn't go into effect until 2012 and is vague on what carbon should cost, setting the value in a range of \$4 to \$30 per ton.

12. CA Bill Considers Feebates based on car emissions

<http://www.latimes.com/news/local/la-me-feebate27jan27,0,7473374.story>

By margot roosevelt, Los Angeles Times Staff Writer
January 27, 2008

This week, the California Assembly is expected to vote on the California Clean Car Discount Act, which, if passed, would be the nation's first "feebate" law, imposing charges and granting rebates based on a vehicle's emission of carbon dioxide and other gases.

One-time registration fees of up to \$2,500 would be levied on new gas guzzlers, such as Hummers, Dodge Vipers and Chevy Tahoes. Some cleaner sport utility vehicles, pickups and minivans would be exempt from any charge, while the Toyota Prius, Honda Civic, Nissan Sentra and other fuel-efficient cars would get hefty rebates.

Under the bill, the air board would rank passenger vehicles, beginning with 2011 models, according to the amount of carbon dioxide and other greenhouse gases they emit.

Fees and rebates would be applied on a sliding scale. About a quarter of vehicles would be unaffected, and about 35% would be charged a fee collected by auto dealers and sent to the State Board of Equalization. The fees would pay for rebates to about 40% of purchasers.

The Union of Concerned Scientists, an advocacy group that worked closely with Ruskin, estimates that California's emissions could drop by as much as 57 million metric tons a year by 2030 as a result of the feebates. That would be equivalent to taking about 9 million cars and trucks off the road.

13. Tesla sets Roadster date Production to Begin in March

By the Mercury News
Article Launched: 01/25/2008 03:05:43 AM PST

Tesla Motors, the Silicon Valley electric car start-up, says it will begin production of its delayed Roadster model on March 17. The company said late Wednesday that it has secured all emission and safety certifications for its first vehicle.

14. UC Boulder to offer Online Course on Carbon Neutral University Planning, Feb 4-Apr 18

Dave Newport, the Director of the CU Environmental Center, will lead a web-based course on Carbon Neutral University Planning. The course will explore the concepts and methodologies involved in analyzing and planning for campus climate neutrality, and the opportunities and barriers to achieving climate neutrality. Participants will learn how to develop an analytical framework by which to evaluate emissions mitigation options, and draft a proposed strategic plan that would guide implementation of climate neutrality.

<http://www.colorado.edu/ContinuingEducation/sustainable/carbonneutral.htm>

This is a new course that has not been offered before. The course is responding to the rapidly increasing demand for a planning methodology that can quantify and inform the strategic considerations relevant to institutions of higher education as they design and execute practices leading to carbon neutrality.

15. Carbon Forum America 2008, San Francisco, Feb 26-27, Moscone Center

Trade Fair and Conference jointly organized by the International Emissions Trading Association (IETA) and Koelnmesse Inc., and will be held from February 26 - 27, 2008 at the Moscone Convention Center in San Francisco, California. www.carbonforumamerica.com

The Plenary sessions will look at California's lead in designing state legislation and how state initiatives can be linked to federal and global markets. The conference tracks will consist of three streams with 21 workshops navigating attendees through Policy Matters, Market Place and Technology.

Policy Stream sessions will examine regional programs and prominent policy issues needed to regulate carbon markets. Market Stream Session will showcase carbon markets in operation. Sessions will provide in-depth knowledge on investment strategies, accounting issues, carbon trading and compliance issues. Technology Stream Sessions will highlight a series of technological as a result of energy and carbon pricing. Workshops will identify risk and opportunities.

This conf. below is discounted for faculty (\$125) and students (\$75).

We thought this event might be present a great opportunity for your faculty and students to learn and network. We do offer discounts for those two categories. <http://www.carbonforumamerica.com/registration/reglocinfo.htm>

16. Abu Dhabi Commits US\$15 Billion to Alternative Energy, Clean Technology

ABU DHABI, United Arab Emirates, Jan. 21 /PRNewswire-USNewswire/
http://www.energycentral.com/centers/news/daily/printer_friendly.cfm?aid=9607718

In the opening ceremony of the World Future Energy Summit here today, Abu Dhabi announced the most ambitious sustainability program ever launched by a government -- an initial investment of US\$15 billion in projects targeting solar, wind and hydrogen power; carbon reduction and management; sustainable development; education; manufacturing; and research and development.

The \$15 billion Masdar commitment announced today will be directed to the following areas:

- * Investments
- * Manufacturing Future Energy Solutions
- * Education and R&D
- * Carbon Management
- * Sustainable Development & Planning

* Renewable Energy Infrastructure Projects

For more information about the Masdar Initiative, please visit www.masdaruae.com. For B-roll, photos, or rendering, please visit www.thenewsmarket.com/Masdar.

For more information about the World Future Energy Summit, where Abu Dhabi's \$15 billion commitment was announced today, please visit www.wfes08.com, or contact Lindsey Bredin at +971 50 379 0348.

17. Geothermal Energy Growth Surge Continues, New Industry Survey Reports

WASHINGTON, Jan. 14 /PRNewswire-USNewswire/ A survey released by the Geothermal Energy Association (GEA) identifies a growing number of new geothermal power projects in states across the country. These projects, when developed, would provide up to 3,368 MW of new electric power capacity for the grid, more than doubling US geothermal power capacity from 2,936 MW to almost 6,304 MW -- enough to meet the needs of 6 million households. New projects are underway in Alaska, Arizona, California, Hawaii, Idaho, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming.

"If we can build and sustain this momentum, geothermal energy can become a major US energy source," according to Gawell. "But, Congress and the Administration must work together to extend the renewable energy tax credits before they expire. Without an extended credit, the resulting tax hike will undercut one of the fastest growing segments of the US economy -- renewable energy," he warned.

The January 2008 results by state are: (State: Number of Geothermal Projects/Megawatts) Alaska: 3/33-80 MW; Arizona: 2/2-20 MW; California: 18/683.2-1133.2 MW; Hawaii: 2/30 MW; Idaho: 5/251-326 MW; Nevada: 40/1046-1321 MW; New Mexico: 2/21MW; Oregon: 7/128.4-213.4 MW; Texas: Lease Sale Completed; Utah: 4/191.6-224 MW; Washington: 2/unspecified; Wyoming: 1/0.2 MW. Total: 86 geothermal projects; 2386.4-3368.8 MW.

The full text of the Geothermal Production and Development Update January 16 2008 is being made available on the GEA web site at: <http://www.geo-energy.org/> on January 16, 2008.

JOBS JOBS JOBS JOBS

18. Internship for California Sustainability Alliance, Navigant

The California Sustainability Alliance (the Alliance) is funded by California utility customers under the auspices of the California Public Utilities Commission. The Alliance supports aggressive environmental objectives related to energy efficiency, climate action, smart growth, renewable energy, water use, waste stream management, and transportation within the State of California.

The Alliance is pleased to announce an internship program for current university students. As interns,

students will participate in the development of written and/or graphic content for the program website. The website will serve as an educational resource for policy makers and other professionals working towards sustainability in California. The website is available in its current form at www.sustainca.org.

Undergraduate interns will be compensated at a rate of \$20 per hour; graduate interns will be compensated at a rate of \$25 per hour.

For more information, please contact Claire Gagne, Navigant Consulting, Inc., at Claire.gagne@navigantconsulting.com or (415)-356-7117.

19. Internships: Transatlantic Renewable Energy Exchange, Germany

This program provides students at U.S. colleges and universities with an opportunity to complete a three-month paid internship focusing on renewable energy, improve German language skills, and experience German culture firsthand from late-May through August 2008. Internships are available in a variety of professional fields, including, but not limited to business, marketing/ PR, production/manufacturing, IT, engineering, chemistry, physics, material sciences, environmental economics and policy. The program will begin in late May with a week-long introductory seminar on the topic of renewable energy in Germany and the EU at the University of Kassel in Germany.

Renewable energy sources like wind power, solar power, and biofuels have long been championed by environmentalists. Recently, however, green power has also become big business. Demand for clean energy technologies like wind and solar power has exploded, and the international renewable energy market is projected to grow to \$167 billion by 2015. While U.S. renewable energy markets are starting to accelerate, Germany has aggressively supported renewable energy since 1990 and is home to the world's largest renewable energy markets. Germany leads the world in wind and solar energy installations and is also the world's largest producer of biodiesel. Given its considerable headstart with renewable energy, Germany is an ideal training ground for U.S. students interested in pursuing clean energy careers.

Contact:

CDS International

871 United Nations Plaza
(First Avenue at 49th Street)
New York, NY 10017-1814
Tel.: (212) 497-3500
Fax: (212) 497-3535
E-mail: info@cdsintl.org

<http://www.cdsintl.org/fromusa/tree.htm>

20. CalCars 2.0 Seeks Entrepreneur/Manager

After five years, The California Cars Initiative (CalCars.org) <http://www.calcars.org> has put plug-in hybrids on the map. Now we're bringing on an entrepreneur/manager to take our campaign to the next level. This Palo-based nonprofit startup of entrepreneurs, engineers, environmentalists and consumers has so far concentrated on advocacy and technology demonstrations. Our work has helped spark the formation of new organizations ranging from the Plug-In Partners soft buy order campaign to Google.org's RechargeIT, and has contributed automakers' decisions to announce the Chevy Volt, Toyota Plug-In Prius and other plug-in cars, expected in the next decade. Now we're expanding, building on our momentum, contacts and visibility. We will organize, support and coordinate many semi-autonomous projects to broaden awareness and support and speed mass-production of plug-in cars.

Transforming the enormous and slow-to-change automotive industry is an ambitious goal, and finally approaching success is very gratifying. Some people who've worked on the plug-in campaign have described the experience as the most satisfying and meaningful thing they've ever done. For some it's led to a range of new business opportunities. We're looking for a Project Coordinator who is interested in becoming the COO/Executive Director of the new CalCars. To start, this is unavoidably a volunteer part- or full-time position, but it will soon evolve to a compensated full-time. See all the details at <http://www.calcars.org/calcars-news/907.html> .

Felix Kramer fkramer@calcars.org
Founder California Cars Initiative
<http://www.calcars.org>
<http://www.calcars.org/news-archive.html>

21. SunPower: Sourcing Manager - Inverters

The Sourcing Manager for Inverters will be responsible for the development of sourcing strategies capable of delivering to the world-wide business high quality, cost-effective materials. This position will be responsible for selecting viable sources and negotiating contracts (price, terms and conditions) for Inverters and related electrical equipment and materials. The Sourcing Manager will be accountable to manage supplier relationships and will advise operations regarding specific trends in the market that may impact the business.

This position will work with the Supply Chain Management/Procurement functions to identify, qualify and select new supplier sources. This role will act as the key commercial contact for assigned commodities.

Your background in Purchasing/Sourcing from a large scale, global, multi-site manufacturing or construction environment will be very useful as you work with key members of Supply Chain Management, Product Development, Project Management, Quality Engineering and other key functional areas of the business. Experience in power management equipment, specifically Inverters, is preferred.

SunPower Corp. designs and manufactures high-efficiency silicon solar cells and solar panels based on an all-back contact cell design. SunPower's solar cells and panels generate up to 50 percent more power per unit area than conventional solar technologies and have a uniquely attractive, all-black appearance.

For more information on SunPower or solar technology, please visit the SunPower website at <http://www.sunpowercorp.com> .
jobs@sunpowercorp.com

22. Two summer Interns: RPS group at the CPUC , San Francisco

Sara Kamins
Renewables Portfolio Standard (RPS)
California Public Utilities Commission
(415) 703-1388
California Public Utilities Commission
Renewables Portfolio Standard
Summer 2008 Internship Program

The Renewables Portfolio Standard (RPS) team at the California Public Utilities Commission (CPUC) is seeking two qualified interns. The California RPS is the most ambitious and far-reaching RPS in the country-California utilities are required by law to purchase 20% of their energy from renewable resources by 2010. Reaching this goal in the world's sixth-largest economy requires expansion of renewable capacity on a scale anticipated nowhere else in the U.S. California's legislature also passed a monumental state-wide cap on greenhouse gas emissions, and is considering an even greater RPS standard of 33% renewable energy by 2020. The CPUC team is evaluating creative ways to meet these far-reaching goals and is looking beyond the current RPS strategy of utility-scale generation.

The RPS team will hire 1 intern to work with the RPS Resource Planning team, and 1 to work with the Renewable Policy team. Summer start and end dates are flexible. Potential projects are listed below under each project category.

Renewable Energy Policy

... Create and evaluate alternative renewable energy policies, including:

- o Alternative financing mechanisms and market-based solutions
- o Research, development, demonstration, and deployment programs
- o Technology-specific market-transformation policies

... Develop regional renewable energy strategies, working with neighboring states

... Update renewable project evaluation methodologies ("least cost, best fit")

RPS Resource Planning

... Implement California's Renewable Energy Transmission Initiative (RETI) strategy to integrate transmission planning with renewable procurement

... Assess modeling efforts by greenhouse gas and RETI consultants to evaluate 33% by 2020 RPS goals

... Evaluate impact of California RPS on retail rates

Qualifications

... Master's degree candidate studying public policy, economics, financial analysis, engineering, or

energy-specific issues

- ... Specific knowledge of renewable energy and/or climate change
- ... Excellent analytical skills, both qualitative and quantitative
- ... Ability to work in fast-paced environment with other team members
- ... Excellent oral and written communication and interpersonal skills
- ... Requires minimal supervision and takes initiative
- ... High performer and outcome-oriented

Hiring Process

These positions are located in San Francisco, California, at the CPUC's headquarters. Please submit a resume, cover letter, and 1-2 page writing sample to Sara Kamins at smk@cpuc.ca.gov by February 11 or until positions are filled. Applications will be reviewed as they are received, and qualified applicants will be contacted for an interview.

Stipend

A modest stipend of about \$1500/month is provided, depending on qualifications.

Office Information

California Public Utilities Commission, 505 Van Ness Ave, San Francisco, CA 94102
www.cpuc.ca.gov

23. Summer Internship, MMA Renewable Ventures, LLC, San Francisco

A MuniMae Company

MMA Renewable Ventures, LLC finances, owns and operates profitable renewable energy and energy-efficiency assets. We partner with top-tier investors, project developers, and customers to build distributed and utility-scale green energy generation plants and energy efficiency projects and to sell the energy and renewable energy credits under long-term contracts with customers. MMA Renewable Ventures is dedicated to providing competitively priced, green energy for customers and exceptional investment opportunities in the renewable energy sector.

The company is seeking to hire highly-qualified individuals for a 10-week internship during summer 2008. All positions are located in San Francisco, CA with a start date around June 15.

Summer Associates

Work with executive team on research projects related to all facets of MMARV's business, including: new project development, technology research, market segmentation and sales, financial and economic analysis, risk analysis, contract preparation and negotiation and customer interaction. Having an understanding of current energy and tax policies at the state, federal, and international level are also key advantages.

Required Skills and Experience for Summer Associates:

- ... Enrolled in an MBA, JD, or equivalent graduate program
- ... Strong analytical thinker and attention to detail

- ... Good communicator and team player
- ... Excellent Microsoft Office skills
- ... Strong interest in renewable energy technologies, finance, and environmental sustainability
- ... Strong interpersonal and organizational skills
- ... Self-motivated, enjoys rapidly growing and changing environment
- ... Unquestionable integrity and ethics

Preferred Skills and Experience for Summer Associates:

- ... Background in the energy, project finance, tax-equity-investment, or community development sectors
- ... Extensive spreadsheet modeling experience
- ... 2+ years working for investment bank, accounting firm, strategic consulting firm with significant quantitative focus, or utility finance division
- ... Experience with solar, wind, biomass, or energy-efficiency technologies
- ... Bilingual preferred, with fluency in Spanish, German, Korean or Italian
- ... Interest in REC markets and carbon trading

Compensation: This is a paid internship

Position Start Date: Open Until Filled

To apply, please send a cover letter and resume to: interns@mmarenew.com

24. Clean Energy Program, UCS, Cambridge, MA, and DC

Union of Concerned Scientists are in the process of hiring two new positions in our Clean Energy Program. The positions are posted on our website at:

- http://www.ucsusa.org/ucs/about/jobs-at-ucs.html#Energy_Modeler
- http://www.ucsusa.org/ucs/about/jobs-at-ucs.html#Transmission_Policy_Advocate

Energy Modeler in Cambridge; Transmission policy advocate in DC.

Steve Clemmer
 Research Director, Clean Energy program
sciemmer@ucsusa.org
www.ucsusa.org

25. Portland Energy Conservation Inc. Energy engineers, analysts, mechanical engineers

My first priority here at PECEI is to find and hire a few mechanical engineers or experienced energy engineers/ analysts. There are both senior and mid-career level positions available. I am very interested

in speaking with qualified people interested in coming to Portland at a market competitive wage to work on diverse projects related to energy efficiency and improving the performance of buildings, and hope you will forward this email to others you think would be interested. The link for the posting is <http://www.peci.org/about/4-engr.htm>

Kim Crossman
Senior Program Manager
503.248.4636 x318
503.961.6134 Direct
P | E | C | I | I
1400 SW Fifth Avenue
Portland, Oregon 97201
www.peci.org
Advancing Responsible Energy Use

26. New York State Energy Research and Development Authority (NYSERDA)

that offer some amazing opportunities to help shape energy and environmental policy in New York.

We are looking for people with interdisciplinary backgrounds to fill Project Manager positions in the following Programs:

- 1) Energy Resources Research and Development Program - Photovoltaic and Small Wind Incentive Activities
- 2) Environment Research and Development Program - Climate Change Research
- 3) Environment Research and Development Program - Ecosystem Research
- 4) Renewable Portfolio Standard (RPS) Program

Take a look at the job descriptions at the following site:
http://www.nyserda.org/About/about_jobs.asp

If you are interested act quickly, as these positions need to be filled soon.

27. Ausra: Solar Thermal Power, Project Director, Director of Transmission Strategy

JOB SUMMARY - PROJECT DIRECTOR (TEXAS)

Ausra, Inc. is developing large-scale solar thermal power plants that will provide electricity at market-competitive prices without carbon emissions. Our business plan includes the installation of 1-2 GW per year of our patented Compact Linear Fresnel Reflector solar thermal electric technology. If you like a fast-paced, high-growth start-up environment, with talented people dedicated to building a great

business that makes a difference, then you should consider Ausra.

The Project Director (Texas) will lead the development of stand-alone solar thermal power projects in Texas using Ausra's proprietary Compact Linear Fresnel reflector technology AND the sale of solar field to utility scale customers. Reporting to the Chief Development Officer, the Project Director will open an office in Texas and build the local team to meet Ausra's objectives in the state.

ESSENTIAL DUTIES & RESPONSIBILITIES

... Identify, evaluate, execute and manage the development and commercial strategy for Ausra in Texas.

... In concert with Ausra's Commercial team, lead discussions with utility customers, EPC vendors, and financial institutions to conclude project finance activities.

... Develop pro forma pricing and project proposals for utility customers.

... Lead the Texas development team in site acquisition, environmental permitting and regulatory/legislative proceedings.

... Direct the Texas development team in preparing and executing public outreach and media strategies that are project-specific.

... Initiate and manage interconnection of projects to the grid.

... Develop market specific transmission strategy in conjunction with Ausra's Director of Transmission

... Interface with Engineering, Manufacturing and Construction Departments to ensure appropriate project design and execution handoff

JOB QUALIFICATIONS

... Bachelor's Degree required, MBA (or equivalent) preferred

... Minimum 5 years experience with project finance, utility/power projects, manufacturing or construction industry.

... Demonstrated experience in complex finance transactions.

... Demonstrated experience in building and managing a team.

... Demonstrated experience leading projects on schedule and budget.

... Ability to multi-task in a fast-paced environment, detail-oriented with excellent organizational skills.

... Strong verbal and written communication skills.

Please submit your resume to jobs@ausra.com and include "Project Director - RM" in the subject line.

JOB SUMMARY - DIRECTOR OF TRANSMISSION STRATEGY (NORTH AMERICA)

Ausra, Inc. is developing large-scale solar thermal power plants that will provide electricity at market-competitive prices without carbon emissions. Our business plan includes the installation of 1-2 GW per year of our unique Compact Linear Fresnel Reflector (CLFR) solar thermal electric technology. If you like a fast-paced, high-growth start-up environment, with talented people dedicated to building a great business that makes a difference, then you should consider Ausra.

The Director of Transmission Strategy will advise on the strategic siting of solar thermal power projects in the Western Electricity Coordinating Council (WECC) using Ausra's proprietary CLFR technology. Reporting to the Chief Development Officer, the Director of Transmission Strategy will preferably locate in Ausra's corporate office and build a team to meet Ausra's objectives.

ESSENTIAL DUTIES & RESPONSIBILITIES

... Identify and evaluate strategic siting opportunities for Ausra CLFR power plants, based on evaluation of identifiable electric transmission expansion plans & constraints.

... Manage transmission consultants and supervise project-level interconnection applications through the relevant state and FERC OASIS/OATT processes.

... Represent Ausra at transmission proceedings, including FERC, state utility commissions and other

events as appropriate.

... Compile a strategic database of transmission projects under consideration in the WECC and interface with relevant WECC transmission planning executives.

... Assist the state/regional development teams in site identification, acquisition, permitting and regulatory/legislative proceedings.

... Coordinate with other solar companies, wind energy companies and trade associations in developing strategy to resolve queuing issues, etc.

JOB QUALIFICATIONS

... Bachelor's Degree in Engineering required, MBA (or equivalent) preferred

... Minimum 10 years experience with transmission planning, project finance, utility/power projects, manufacturing and/or construction industry.

... Demonstrated experience in complex engineering planning projects.

... Demonstrated experience in building and managing a team.

... Ability to multi-task in a fast-paced environment, detail-oriented with excellent organizational skills.

... Strong verbal and written communication skills.

Please submit your resume to jobs@ausra.com and include "Director of Transmission Strategy - RM" in the

28. Bilingual energy efficiency researcher, Oakland

Oakland energy consulting firm seeks talented and flexible individuals who can speak both English and Spanish, Korean, or other Asian languages to help us with ongoing research projects. Our most immediate need is for bilingual English- and Spanish-speaking casual employees to assist us with an in-store market research project . These individuals will be conducting brief interviews with shoppers who purchase energy-efficient products in a number of retail chains throughout California. The position involves some work during evenings and weekends and candidates must be comfortable working in Microsoft Excel, at least 18 years old, willing to travel in California, and possess a valid driver's license and cell phone. We're looking for bilingual candidates who are outgoing and dependable. Pay is \$20 per hour and includes reimbursement for all travel expenses. We have additional fieldwork and telephone interviews coming up soon that will require fluency in Korean and other Asian languages. Work is full time for the next several months and potentially through the summer. Please send resume to Jenna Canseco at jenna.canseco@us.kema.com.

29. Sonoma County: Energy and Sustainability Program Manager

The County of Sonoma General Services Department is seeking a creative and experienced professional to manage the operation of the Energy and Sustainability Management division. Salary: \$88,702.60 - \$107,820.62 annually

Under general direction of the General Services Director, the Energy and Sustainability Program Manager plans, directs, manages, administers and evaluates the County-wide energy management and sustainability program; manages the County's general government utility budget; implements and measures performance relative to County climate protection initiatives; identifies and implements renewable energy and conservation projects; supervises staff; manages energy audits and contracts for professional engineering and consulting services; oversees commute reduction program; and performs related duties as required.

Other duties include: identifying opportunities to reduce energy cost and improve efficiency; monitoring energy and utilities budget; tracking, analyzing and advocating for legislation in the area of energy, environmental sustainability and climate protection; monitoring and applying for rebates and grants; and other related duties.

The ideal candidate will possess the following experience and competencies:

- a.. Good management skills and the ability to see the big picture and establish and manage multiple initiatives;
- b.. Familiarity with public sector organizational structures and the proven ability to effectively collaborate with multiple public agencies to attain common goals;
- c.. Innovative thinker who uses previous experience and new ideas to promote attainment of energy conservation and climate protection goals and objectives;
- d.. The ability to establish and utilize an outcome-based performance measure structure;
- e.. Strong fiscal background with awareness of multiple funding strategies;
- f.. Politically astute with awareness of and sensitivity to Board of Supervisor and community interests;
- g.. Good communicator who can effectively and accurately articulate ideas and proposals that support County environmental initiatives;
- h.. Enthusiastic, organized and committed to the County's commitment to good environmental stewardship and leadership in climate protection;
- i.. The ability to develop, implement and manage new initiatives using both in-house and outsource resources;
- j.. Knowledge of renewable energy programs and initiatives, best practices in energy conservation and sustainability and the ability to accurately assess the impacts on air quality and CO2 levels based on specific mitigation efforts.

30. Sustainability Science and Engineering Faculty Position UC-Merced

University of California, Merced

School of Engineering : Sustainability Science and Engineering Faculty Position

The University of California, Merced invites applications for a tenure track Assistant or Associate Professor in the area of environmental engineering focused on sustainability science. We seek a multidisciplinary scholar pursuing pioneering and high-impact research that considers coupled human-natural systems, particularly in the area of energy and sustainability. Areas of interest include, but are not limited to, the energy intensity of development, climate change mitigation, and climate change adaptation strategies; availability of natural energy sources; large-scale implementation of renewable and distributed energy sources; and improving end-use and production efficiencies. To apply, visit our website: <http://jobs.ucmerced.edu/n/academic/listings.jsf?seriesId=1> under job codes ASENG1328A and ASENG1329A. AA/EOE

--

31. Energy Engineer, Energy Center of Wisconsin

The Energy Center of Wisconsin is seeking an energy engineer with a desire to apply both reason and creativity towards the creation of a sustainable energy society. We are a private non-profit organization that is mission-driven, independent, and objective. We seek practical solution paths among a world of competing interests.

The individual will be responsible for the evaluation of energy efficiency and renewable energy strategies in buildings and campus settings, including quantifying energy system performance, life cycle cost economics, and emissions reduction potential. Experience with energy modeling software such as eQuest, TRYNSYS, TRACE, or other similar environments is highly desirable, including the ability to model novel or complex energy systems and develop specialized energy analysis software.

The individual will be responsible for identifying, quantifying, and optimizing energy savings opportunities during early building design stages and for existing facilities. Knowledge of relevant building energy codes, green building rating systems, and ASHRAE standards is highly desirable.

The candidate should possess the ability to work in a team environment, including communications skills such as report writing, client contact and public presentations. The ability to summarize and communicate technical concepts to a non-technical audience is highly valued. The candidate should also possess fundamental project management skills such as project planning, budgeting, and the ability

to achieve project goals and deadlines.

Minimum requirements are a bachelor's degree in engineering, preferably mechanical, and a fundamental knowledge of building energy systems, energy analysis, and thermal science. Ideal candidates will possess a master's degree in mechanical engineering with a thermal science focus, professional engineering registration, LEED Accreditation, Energy Manager Certification, and possess 5+ years design firm or facilities experience with energy systems in commercial or institutional facilities.

We offer a competitive salary, progressive work environment and excellent benefits. Interested candidates should send or email a resume, cover letter and any salary expectations (no phone calls please) to:

Human Resources Director
Energy Center of Wisconsin
455 Science Drive, Suite 200
Madison, WI 53711
cthacker@ecw.org
Affirmative Action / Equal Opportunity

32. 2 Jobs at Arup Energy Analyst, Sr. Mechanical HVAC Engineer

Arup is a 60 year old design engineering firm with 9,000 employees worldwide. We have 86 offices in 37 countries. www.arup.com

To apply, send resumes to: susanne.sipola@arup.com and indicate which location you prefer.

Come to work for the the firm Voted "Best AEC Firms to Work For" by Building Design + Construction Magazine, 2007!

We are seeking an Engineer to fill the position of Energy Analyst. This individual will be required to run energy modeling on Mechanical systems and undertake life cycle analyses to assist the Energy Team Project Manager to deliver quality energy studies. In addition, this individual will be required to prepare drawings, specifications and reports to deliver energy reduction implementation projects.

The Los Angeles and Houston Energy groups focused on developing solutions that reduce energy consumption and risk by conceiving and implementing intelligent, financially viable and environmentally sustainable projects for our clients.

Expertise Required

- Technical ability in energy systems analysis on Mechanical systems or experience in design on Mechanical systems.

- Knowledge of energy saving and renewable energy technologies

Requirements

- 2 years industry experience
- Knowledge of energy systems design and energy analysis techniques
- Experience in designing Mechanical systems

What we offer:

- Full medical, dental, long term disability and life insurance coverage
- Three weeks' vacation in year one
- 10% of annual compensation contributed by the company to your retirement plan, up to IRS limits
- Educational assistance
- Health club subsidy
- Paid, comprehensive training programs
- Team-oriented working environment
- Business casual dress
- Opportunities for international assignments

We are seeking a Senior Mechanical HVAC Buildings Engineer with superior design and analysis skills, to plan and design mechanical systems for buildings, including libraries, museums, high rises, universities and other commercial architecture.

Arup Seattle offers a relaxed, fun, small office culture, with the benefits of large company resources. You will work along side some of the most talented, multi-disciplinary Engineers.

Want to learn more? www.arup.com

To apply, send resume to: susanne.sipola@arup.com

Qualifications:

Bachelors Degree in Mechanical Engineering or Architectural Engineering with a sound knowledge of mechanical engineering fundamentals.

Have at least 5+ years of relevant experience in buildings including hospitals, libraries, museums, high rises etc.

This is a highly rewarding opportunity that provides access to some of the most brilliant Engineers and prestigious projects in world. The role is suited to highly ambitious individuals seeking to realize their potential in an enterprising and achievement-oriented environment. You will have instant knowledge sharing and skill networks across the 9,000 global staff members

Arup
901 Market Street, Suite 260, San Francisco CA 94103
tel: 1 415 946 1634

fax: 1 415 957 9096
cell: 1 415 420-3834
susanne.sipola@arup.com
www.arup.com

33. Vice President: Buildings Business Unit Leader, MN

Orion Search Group is representing a growing regional consulting Engineering and Architecture firm looking to add a Vice President for their Buildings Division. The Buildings Division is made up of architects, mechanical engineers, electrical engineers, and structural engineers. The ideal background would include healthcare project experience.

The purpose of the Vice President is to develop business with and successfully execute work for current and potential clients. Namely, the Vice President is responsible for overall P&L and long-term growth of the Buildings Division to meet the company's strategic and annual business plans.

Note: Position can be located in either the Minneapolis/St. Paul or Iowa City/Cedar Rapids area.

QUALIFICATIONS

B.S. degree in engineering or BA in architecture and appropriate professional licensure. Graduate degree in appropriate discipline or MBA strongly preferred. Has ten (10) years experience in engineering or building design or similar technical profession.

Please Contact David Borak at davidb@orionsearchgroup.com/952-345-1000.

Sincerely,

David Borak
Account Manager/Principal
Orion Search Group, Inc.
6600 France Avenue S., Suite 468
Edina, MN 55435

952-345-1000, 952-345-1100 (fax)
davidb@orionsearchgroup.com

34. Asst/Associate Professor, Sustainable Architecture, NCState

<https://jobs.ncsu.edu/applicants/jsp/shared/frameset/Frameset.jsp?time=1201488855291>

The PhD in Design Program and the School of Architecture in the College of Design of North Carolina State University jointly seek a full-time, tenure track faculty member with a research focus on Building

Energy. Teaching responsibilities will include lectures and seminars on issues of sustainability in buildings, with a particular emphasis on energy in buildings, and supervision of M. Arch. and Ph.D. students with independent studies focusing on sustainability. Candidates with appropriate qualifications will also have the opportunity to teach architectural design studios related to sustainability in architecture. Research responsibilities will include conducting building energy research and advising PhD students with dissertation research in sustainability in buildings, with a particular emphasis on energy in buildings. Candidates must have a Ph.D., with either a dissertation related to building energy research or an established track record of rigorous research related to building energy. The successful candidate must also have at least an undergraduate degree in architecture. Applications due February 11, 2008.

35. Part time position, Welsh School of Architecture, UK

A part-time position has arisen for 2.5 years to work with Dr Ian Knight at the Welsh School of Architecture in the UK. The work will involve the successful candidate in modelling the integrated performance of buildings and A/C systems in E+ or TRNSYS as well as overseeing the collection of data from real A/C systems to substantiate the modelling work. The project outputs are anticipated by Member States across Europe and the postholder will achieve a very high profile in the academic and industry communities over this period.

The post is funded for 2.5 days per week by the European Commission, which would provide the postholder with time to undertake a higher degree in the Department if desired. As a member of staff this degree would be substantially cheaper than if enrolling as a full-time student.

If you are interested in knowing more either contact Ian direct on +44 2920 875496 (leave contact details if no answer) or email on: knight@cf.ac.uk

Link: <http://www.cf.ac.uk/jobs/academic/20080025-010208.html>

-----Inline Attachment Follows-----

--++**==--++**==--++**==--++**==--++**==--++**==--++**==

energyfolks mailing list

energyfolks@lists.stanford.edu

<https://mailman.stanford.edu/mailman/listinfo/energyfolks>