

From: Gil Masters <gmasters@stanford.edu>
To: energyfolks@lists.stanford.edu
Sent: Friday, March 27, 2009 3:16:22 PM
Subject: YouTube, Tesla, clean PVs, NRG seminars, jobs

Hello Energyfolks,

Many of you are new to the list and might be interested in looking at some of the old blurbs. To help you do so, Karl Knapp (from MAP) has created an archive of them dating back to around 2006. Thanks k2! <<http://www.maproyalty.com/e-archives.html>>

<http://www.maproyalty.com/e-archives.html> <<http://www.maproyalty.com/e-archives.html>>

Also, Stanford student Matt Harnack has put together a YouTube video called "double panes" featuring last quarter's CEE 176A TAs-- Will Bishop, Megan Kerins and Nick Schlag-- with a cameo by Luke Morton, singing and acting their hearts out about blower doors, caulking, weatherstripping, and high-R windows... what a hoot, worth a look, at

<http://www.youtube.com/watch?v=pezKEkBIhqA>
<<http://www.youtube.com/watch?v=pezKEkBIhqA>>

gil

INTERESTING ENERGY STUFF

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ENERGY NEWSY STUFF

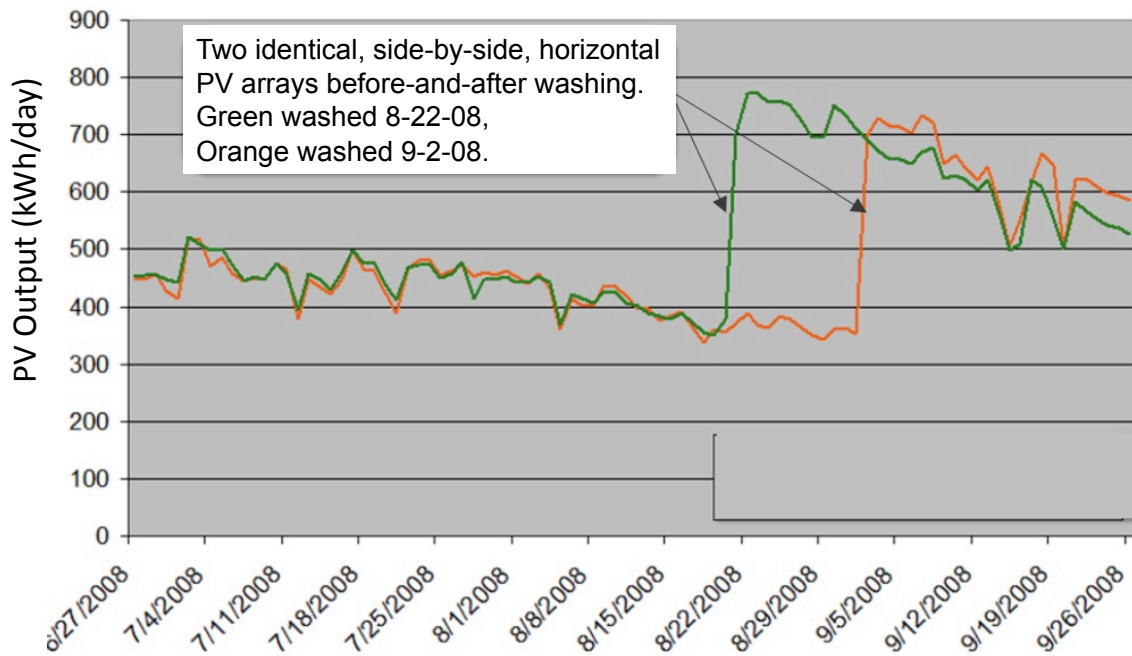
1. Tesla Introduces new 4-door Model S family sedan EV

March 26, 2009: A prototype of the much anticipated 4-door, 5- passenger (7 if you count the kid seats in the back), all-electric Tesla Model S has just been unveiled. Depending on battery-pack selected it will have a 160, 230 or 300 mile range. The 160 mile, 0-60 mph in 6 seconds, base model is anticipated to cost about \$50k after the \$7500 federal tax credit. Onboard recharging can be from 120V, 240V or 480V outlets, with the latter providing a full charge in 45 minutes. The floor-mounted battery pack, with an option to lease those batteries, is designed to accommodate quick-replacement battery swapping in the future . Accounting for the much lower cost of electricity vs gasoline, Tesla suggests ownership cost of the S will be comparable to a gasoline car with a sticker price of about \$35,000. The floor-mounted power train allows room under the hood to be used as an extra trunk. Coupled with the hatchback design and flat-folding rear seats the Model S will have more trunk space than most SUVs.



2.Keep those PVs clean ...Double their output !

Here's an example of the need to wash photovoltaics. Output of two identical, side-by-side, flat-roof-mounted, PV arrays shown before washing and after washing. One array was washed two weeks before the 2nd array was washed , providing a very clear demonstration of the advantage of keeping them clean.



3. Double-digit growth in U.S. renewables.. coal, gas down, nukes stagnant

The March 24, 2009 U.S. EIA "Electric Power Monthly" report shows net electricity generation in the United States dropped by 1.0 percent from during 2008 compared to 2007. Coal-fired generation was down by 1.1 percent, natural gas declined 2.2 percent, and petroleum liquids decreased by 37.1 percent. Nuclear generation during 2008 was essentially stagnant – increasing by only 0.3 percent compared to the prior year.

Net generation from wind was up 51.0%, solar electric up 36.1%, geothermal up 2.5%, biomass up 0.6%, while conventional hydro increased 0.9%.

Non-hydro renewables grew from 2.5% of U.S. electricity in 2007 to 3.4% in 2008.

4. Interesting climate lobbying numbers from Environmental Defense:

\$450 million: Amount spent on lobbying and political contributions by opponents of global warming action in 2008.

52: public spokespersons engaged by polluters and the ideological right to spread disinformation about global warming online and in the media.

2,340: Number of paid lobbyists working in Washington on climate change in 2008.

7 in 8: Proportion of climate lobbyists advocating against climate action.

\$45 million: Amount spent on global warming denial advertising by the coal industry in 2008.

5. LBNL Report on Costs of PV Systems

Ryan Wiser, Galen Barbose and Carla Peterman have released a new LBNL report: "Tracking the Sun: The Installed Cost of Photovoltaics in the U.S. from 1998-2007."

Average installed costs have declined over time, from \$10.5/W in 1998 to \$7.6/W in 2007 (in real 2007 dollars per installed watt DC). Cost reductions are especially prevalent among smaller PV systems and are primarily attributable to reductions in non-module costs. International experience suggests that greater near-term cost reductions are possible, with Japan and Germany exhibiting significantly lower average installed costs for residential PV systems than the U.S.

The report can be downloaded from:

<http://eetd.lbl.gov/ea/emp/re-pubs.html> <<http://eetd.lbl.gov/ea/emp/re-pubs.html>>

A PowerPoint presentation that summarizes key findings can be found at:

<http://eetd.lbl.gov/ea/emp/emp-ppt.html> <<http://eetd.lbl.gov/ea/emp/emp-ppt.html>>

6. LBNL/NREL Report on Renewables financing "PTC, ITC or Cash Grant?"

Lawrence Berkeley National Laboratory (LBNL) and the National Renewable Energy Laboratory (NREL) are pleased to announce the release of a joint LBNL/NREL report titled "PTC, ITC, or Cash Grant? An Analysis of the Choice Facing Renewable Power Projects in the United States."

Signed into law one month ago, The American Recovery and Reinvestment Act of 2009 ("the stimulus bill") contains a number of provisions that could have a significant impact on how U.S. renewable power projects are financed over the next few years. Among these provisions is one that allows projects eligible to receive the production tax credit (PTC) to instead elect the investment tax credit (ITC). Another provision enables ITC-eligible projects (which now include most PTC-eligible renewable power projects) to instead receive a cash grant of equivalent value. Both of these provisions are in place for a limited time only.

This report suggest that most wind, open- and closed-loop biomass, and landfill gas projects may benefit more from the ITC than they will from the PTC. Furthermore, based on qualitative considerations alone, it is reasonable to expect those projects that are placed in service or begin construction in 2009 or 2010 to elect the equivalent cash grant rather than the ITC itself. Geothermal projects, on the other hand, are likely to prefer the PTC, unless qualitative considerations overwhelm quantitative.

The full report can be freely downloaded from:

<http://eetd.lbl.gov/EA/EMP/reports/lbnl-1642e.pdf>
<<http://eetd.lbl.gov/EA/EMP/reports/lbnl-1642e.pdf>>

Mark Bolinger and Ryan Wiser, LBNL
Karlynn Cory and Ted James, NREL

STANFORD STUFF

1. Energy and Climate Courses at Stanford

Here's a new one for next quarter:

Sustainable Mobility - Improving Energy Efficiency in Transportation
MS&E 296 [code TBC - the Axess listing is in process but should be available this week]
3 units
MWF 10-10.50am

Sustainable Mobility – Improving Energy Efficiency in Transportation covers key issues of sustainable mobility, vehicles, fuels, air pollution, and CO2 emissions from transport. Primarily focused on the US passenger transport system, the course will offer insights on freight, with some attention to Europe and key developing countries. Tools of analysis primarily spreadsheets, but applications using econometrics encouraged for the class project. Problem sets, project, and a final focused on analytical issues and policies.

Instructor: Lee Schipper, Ph. D
Senior Research Engineer, Precourt Energy Efficiency Center

ALSO: A spreadsheet of all energy and climate courses at Stanford can be found at the following link:

<http://environment.stanford.edu/eandl/education.html>
<<http://environment.stanford.edu/eandl/education.html>>

2. Spring Quarter Energy Seminars, Starting April 1

Seminars are Wednesdays, 4:15 - 5:15, Building 420, Room 40. Members of the community are invited to attend. Here are the first three scheduled for this quarter:

April 1: Dr. Dan E. Arvizu, National Renewable Energy Laboratory
Transforming Our Energy Economy: The Role of Renewable Energy

April 8: Tara Billingsley, Committee on Energy and Natural Resources, U.S. Senate
How Energy Policy is Really Made

April 15: Denis Hayes, Bullitt Foundation (and former director of NREL's predecessor, the Solar Energy Research Institute)
Taking Solar Seriously: How to Run a Modern Industrial Civilization on Sunbeams

JOBS JOBS JOBS JOBS

1. E3 in SF: Energy Analyst, Energy Consultant and Summer Internships,

Energy and Environmental Economics, Inc (E3), a small economics and engineering consulting firm in downtown San Francisco specializing in the electric energy industry, is seeking candidates for positions as Energy Analyst, Energy Consultant as well as summer internships.

Descriptions of these positions can be found at www.ethree.com
<<http://www.ethree.com>>

The Summer Internship Program at E3 is designed to provide an opportunity for top graduate students to work on emerging energy topics along side our staff of industry experts. Master's and Ph.D. candidates in policy, economics, engineering, business, and law are all encouraged to apply. The program is part of our recruitment process; we want to meet and work with great students who are as interested in energy as we are.

For more information, contact Lakshmi Alagappan at lakshmi@ethree.com.
<<mailto:lakshmi@ethree.com>>

And check the website: www.ethree.com <<http://www.ethree.com>>

Successful applicants may choose from a range of topics, and are expected to develop a stand-alone, publishable research product over the course of the summer. Topics might include:

- Regional Comparison of Energy Efficiency Activities
- Investment in Market Transformation, Preparing for 2050:

Opportunity and Policy to Encourage Plug-in Hybrid Electric Vehicles (PHEVs)

Graduate student interns earn a stipend of \$3,000 per month. Summer interns do not become employees of E3. Applications are due April 10th.

2. Senior Associate, Building Efficiency, Southwest Energy Efficiency Project (Boulder)

The Southwest Energy Efficiency Project (SWEET) is seeking a Senior Associate to work on energy efficiency in the buildings sector in its Boulder, CO office. SWEET is a public interest organization dedicated to advancing energy efficiency in Arizona, Colorado, Nevada, New Mexico, Utah, and Wyoming. The responsibilities for this position include:
Ø Conduct analysis and advocate for adoption of state-of-the-art building energy codes at the state and local levels in the Southwest;

Ø Organize workshops, prepare case studies, and undertake other activities to encourage construction of new homes and commercial buildings that far surpass minimum energy code requirements;

Ø Evaluate new and emerging energy efficiency technologies for buildings and promote their adoption where appropriate; and

Ø Conduct outreach to raise awareness and increase the adoption of energy efficiency measures in existing homes and commercial buildings in the Southwest.

Qualifications: Applicants should have experience working on energy efficiency in buildings for a public interest group, private company such as a consulting or architectural firm, research institution, or government agency. Masters degree plus at least five years of experience or Bachelors degree plus at least eight years of experience. Strong analytical and communications skills, ability to work independently, and a personal commitment to a cleaner environment and more sustainable future. Experience working for a non-profit organization is also a plus.

To apply, send brief cover letter and resume (no phone calls, please) to:

Building Efficiency Program Opening
SWEET

2260 Baseline Rd. Suite 212
Boulder, CO 80302

3. RMI Built Environment Team: Technical Consultant and Technical Fellow

The Built Environment Team (BET) is seeking a 6 month technical consultant (with the possibility to become full time) and 6 month technical fellow to join the team. Both

positions would involve energy modeling and analysis for innovative new buildings and existing building retrofits, and also a research component as well. These positions are located in Boulder, CO and are available immediately.

Consultant Position

Mandatory Qualifications:

- Organized, self directed and highly motivated
- Master's in engineering OR 5+ yrs experience
- 3+ years energy analysis experience (including DOE-2, EnergyPlus, or similar)
- LEED AP with hands on project experience
- Well versed in word processing and design software (Word, Excel, PowerPoint, AutoCad)
- Excellent writing skills

Fellow Position

Mandatory Qualifications:

- Organized and hard working
- Bachelor's degree in engineering
- Experience or education in building science
- Experience with eQUEST or DOE-2
- Well versed in word processing and design software (Word, Excel, PowerPoint, AutoCad)

Please contact Kendra Tupper with a resume and writing sample (or any questions!):

ktupper@rmi.org <<mailto:ktupper@rmi.org>>

Tel 303-567-8641

Kendra Tupper
Senior Consultant
Built Environment Team

Rocky Mountain Institute | T 303-567-8641 | F 303-245-7213 | www.rmi.org

<<http://www.rmi.org/>>

4. Distributed Generation Manager: CA Center for Sustainable Energy (San Diego)

The DG Manager is responsible for developing and implementing the California Solar Initiative (CSI) and Self-Generation Incentive Program (SGIP) at CCSE. The DG Manager will interact with regulatory staff and counterparts at state and local agencies, develop close working relationships with members of the clean energy industry, and manage program administration through a team of program managers and junior staff. Further, the

DG Manager will have the opportunity to build new directions for CCSE's distributed generation activities.

This position invites and requires substantive interaction with a variety of stakeholders including installers and other members of the clean energy industry, energy customers of all sizes, and government agency staff, primarily at the CPUC and California Energy Commission (CEC). The DG Manager will be responsible for providing timely and useful analysis and advice to Commission staff, administrative law judges, and CCSE stakeholders on a wide range of regulatory issues pertaining to CSI, DG and related proceedings. The work will involve periodic travel within California.

Potential applicants must complete a CCSE Employment Application and send a resume and cover letter by mail to CCSE, 8960 Balboa Avenue, Suite 100, San Diego, CA 92123 or fax to (858) 244-1178. Applications are available at the CCSE Web site at <http://www.energycenter.org>.

5. Independent Consultant, Sustainable Business & Operations, Autodesk, San Francisco

This person will be a key contributor to Autodesk's mission of democratizing and simplifying sustainable design while modeling sustainability best practices across its company and operations. The Manager will support the Senior Program Lead in executing the following five company-wide strategies while taking the lead on key pieces of this strategy.

In building out my Sustainable Business & Operations team at Autodesk (www.autodesk.com/green <<http://www.autodesk.com/green>>), I am seeking a top candidate for a new full-time Sustainable BizOps Project Manager position. While a contractor role, full benefits are provided.

The preferred candidate will be someone with strong quantitative analysis skills, experience in corporate climate strategy, and a background in the technology sector. Proximity to downtown San Francisco is ideal.

Emma Stewart, Ph.D.
Tel: 1-415-374-0883
Skype: emma.paschall.stewart
Web: www.linkedin.com/in/emmastewart
<<http://www.linkedin.com/in/emmastewart>>

6. SunPower Internship Opportunities; San Jose or Richmond, CA

SunPower is looking for exceptional, energetic, and enthusiastic college internship candidates to join our company! The SunPower Internship Program is an intensive 10-12 week program during the summer. Interns will participate as team players in business areas that complement their formal education with career related experience. Interns will be assigned challenging projects and tasks to obtain remarkable hands on experience. Working side by side with some of the most talented people in the solar industry, the networking and mentoring provide an excellent environment for academic and career growth. Join the rapidly growing solar electric industry and achieve the great satisfaction of having a positive impact on the environment!

Positions

We are looking for exceptional, energetic, and enthusiastic individuals to join our company!

- Engineering
- Finance
- Accounting
- Marketing
- Sales

Student Activities

We provide a well-rounded internship experience. Some activities offered include executive staff presentations, luncheons, social events, career advising speakers/sessions, solar installation field trips, and intern departmental presentations.

Work Authorization

To be eligible for these positions students must have authorization to work in the United States.

To apply for a Summer Internship, please submit your resume

<http://www.sunpowercorp.com/About-Us/Careers.aspx>
<<http://www.sunpowercorp.com/About-Us/Careers.aspx>> .

7. 3 Positions at GreenOrder: Manager, Senior Analyst & Summer Associate, D.C.

GreenOrder is trying to fill 3 positions in our Washington office. We work with large companies on strategies at the intersection of business, technology, policy, and environment. We're looking for an engagement manager with several years of applied work in policy as well as business consulting background, as well as a senior analyst with similar but less extensive background. We're also looking for a Summer Associate in our

Washington office. See position descriptions at <http://greenorder.com/?ID=Contact#jobs> <<http://greenorder.com/?ID=Contact#jobs>> . Our main recruiting contact is Caren Mintz, cmintz@greenorder.com <<mailto:cmintz@greenorder.com>> , 212-725-4848, x232.

Truman Semans
Principal
GreenOrder, Inc.
205 Lexington Avenue,17th Floor
New York, NY 10016

8. Internships with the City of Palo Alto

Conservation Internship-Utilities
Environmental Urban Design Internship
Green Building Program Internship
Green House Gas Internship-Public Works
Green House Gas Internship-Utilities
Green House Gas Internship-Utilities
Water Quality Treatment & Design Internship

Closing Date 5/1/09. Apply online at <http://www.cityofpaloalto.org/depts/hrd/employment/default.asp>
<<http://www.cityofpaloalto.org/depts/hrd/employment/default.asp>>

9. Associate Director, at Global Footprint Network, Oakland

We are delighted to announce that we are seeking to hire an Associate Director, Partner Network at Global Footprint Network.

The Associate Director will work closely with our core partnership team--Jennifer Mitchell, Director of Strategic Initiatives, and Maxine McMinn, Partner Network Coordinator. The ideal candidate for this position will have a natural talent for networking and recruitment, proven experience building and cultivating strategic partnerships, excellent facilitation skills and written communication skills, and proven experience developing thriving online networks and communities.

Rachel Hodara
Strategic Initiatives Coordinator
Global Footprint Network

rachel@footprintnetwork.org <<mailto:kristin@footprintnetwork.org>>
tel.: +1-510-839-8879 x 327 (-0800 GMT)
www.footprintnetwork.org <<http://www.footprintnetwork.org/>>

10. Joint Venture: Silicon Valley Network, "Director of Climate Prosperity"

Joint Venture: Silicon Valley Network is a non-profit organization bringing together business, labor, government, academia and other community leaders to provide analysis and action on our region's challenges. We do breakthrough work that is interesting and exciting (see www.jointventure.org <<http://www.jointventure.org>>) and we're ready to add another key person to our team.

We seek an experienced, highly talented professional to fill a named position at Joint Venture, a position endowed by Applied Materials, Inc. The person holding this position will be "The Applied Materials Director of Climate Prosperity," responsible for directing all of Joint Venture's efforts to reduce greenhouse gas emissions and boost economic growth in the cleantech sector.

To fit the bill, you will be a superb leader and gifted organizer. You'll also be an entrepreneur bringing a start-up mentality to this effort, and have a gift for mobilizing both money and people. You'll have an astute understanding of the public sector and the policy arena, and government experience will be a plus. However, you'll also require equal command of the business world and experience meeting the demands of the private sector. To succeed in this role you'll be straddling both sectors and must be consider credible in each.

If what we've said describes you, then we want your resume right away, with a cover letter. Attach some writing samples, three or more references, and send it to:

Russell Hancock
President & Chief Executive Officer
Joint Venture: Silicon Valley Network
60 South Market Street, Suite 1000
San Jose, California 95113

Alternatively, you can transmit all of this information electronically, to info@jointventure.org.

11. Alliance for Climate Protection, multiple positions

From: Steve Hildebrand
Date: Tue, Mar 10, 2009 at 7:32 AM
Subject: Hiring for Climate Campaign - URGENT

The climate campaign is hiring immediately with positions in Washington, DC and 30 states across the country. We need strong, smart and tenacious people who care about the climate issue. There are more than 200 positions available – management, communications, new media, volunteer recruitment/management and field. If you or someone you know has an interest in applying for one or more of these positions, please have resumes sent to Andy Wiese in my office. His email address is andy@hildebrandstrategies.com <<mailto:andy@hildebrandstrategies.com>> . We can put people to work right away.

12. Carbon Accounting and Data Management Intern , SF

SFEnvironment is seeking interns to help with carbon accounting, data input and data management system design. The City and County of San Francisco is in the process of developing a comprehensive database to manage its three greenhouse gas inventories (community wide, municipal and departmental) and needs assistance in designing a data management system and compiling and sourcing relevant data. Appropriate candidates should have basic knowledge of Microsoft Xcel. These positions will be predominantly focused on carbon accounting and designing and implementing data management systems.

The City and County of San Francisco has mandated that all city departments submit Climate Action Plans in efforts to reduce our municipal footprint by 20% by 2012. 2008 was the first year plans were submitted and we are looking for help addressing the organizational data management issues associated with tracking fleet fuel usage and departmental waste production and electricity consumption.

Part of the work involved with the institutionalization of the Departmental Climate Action Plans is education and outreach to department representatives and staff. Educational lectures, personalized help tracking and mapping internal processes and other related work is needed in order to integrate climate awareness and action into the daily duties of city departments and their staff.

Hours: 8-20hrs per week

Start/Finish: Position is open immediately and will continue through April- with opportunity for extension.

Management: Interns/Volunteers will report to the Climate Action Coordinator, Calla Ostrander calla.ostrander@sfgov.org <<mailto:calla.ostrander@sfgov.org>>

After initial training has been completed interns are encouraged to work remotely if they are comfortable doing so.

13. Colorado Governor's Energy Office hiring Utilities Associate

Please help spread the word and encourage qualified candidates to apply.

Public Utilities Commission Associate

The Governor’s Energy Office (GEO) is seeking qualified candidates for a Public Utilities Commission Associate. This position will work within the GEO’s Utilities Program and concentrate on advancing the goals of the New Energy Economy and Climate Action Plan at the Colorado Public Utilities Commission (PUC). The position will assist the GEO in developing partnerships and support at the PUC and Colorado’s investor-owned electric and gas utilities, independent power producers, transmission developers, and other key stakeholders in the utility sector.

More details at: <http://www.colorado.gov/energy/resources/employment-internships.asp> <<http://www.colorado.gov/energy/resources/employment-internships.asp>>

Susan Innis, Colorado Carbon Fund Program Manager
Governor's Energy Office
1580 Logan Street, Suite 100
Denver CO 80203
Email susan.innis@state.co.us <<mailto:susan.innis@state.co.us>>
www.colorado.gov/energy <<http://www.colorado.gov/energy>>
[ColoradoCarbonFund.org](http://www.coloradocarbonfund.org) <<http://www.coloradocarbonfund.org/>>

The Governor’s Energy Office is awaiting details on exact dollar amounts and additional federal guidance on how to direct recovery funds for renewable energy, energy efficiency, weatherization and new energy research projects within Colorado. Check the GEO’s recovery website at www.colorado.gov/energy/recovery <<http://www.colorado.gov/energy/recovery>> in the coming weeks for updates.

14. Business internship at Clean Tech startup in Lighting Energy Efficient Industry, Newark CA

I am an SU GSB 07 grad and am recruiting an intern for this summer. Could you please distribute this email to your members. Many thanks, Jean-marc Business internship at Clean Tech startup in Lighting Energy Efficient industry. This internship has been approved for ESP funding. Location: Newark, CA - Fri, Feb

27 2009 7:09 pm

1 message, 1 author

<http://groups.google.com/group/gsb-cleantech-jobs/t/1745bba15a056354?hl=en>
<<http://groups.google.com/group/gsb-cleantech-jobs/t/1745bba15a056354?hl=en>>

15. Edison Mission Energy - Summer Consultant (Irvine, CA)

Summer Consultant Edison Mission Energy - Irvine, CA February 27 2009 Job Type: Internship Years of Experience: Student Industry: Energy & Utilities Job Function: Business & Strategic Management / Sales, Retail & Business Development Job Description Edison Mission Energy (EME), a subsidiary of EMG which is also based in Irvine, California, is an independent power producer engaged in the business of owning, leasing, operating and selling energy and capacity from electric power generation facilities. EME conducts price risk management and energy trading activities through Edison Mission Marketing and Trading (EMMT), which is based in Boston. Headquartered in Chicago, EMG subsidiary Midwest Generation (MWG) operates six electric power generating plants in Illinois and supervises operation of the EME Homer City Generation plant in Homer City, Pennsylvania. - Mon, Mar 2 2009 9:17 am

1 message, 1 author

<http://groups.google.com/group/gsb-cleantech-jobs/t/6afa4b42453be51c?hl=en>
<<http://groups.google.com/group/gsb-cleantech-jobs/t/6afa4b42453be51c?hl=en>>

16. Post-Doc positions, Energy Efficient Cities, U. of Cambridge UK

There are open positions for post-doctoral research associates and PhD studentships available at the Departments of Engineering and Architecture on a new Energy Efficient Cities Initiative (EECi) at University of Cambridge. This initiative aims to strengthen the UK's capacity to address energy demand reduction and environmental impact in cities through cross-disciplinary research in building and transport technologies, district power systems, and urban planning. The prospective students will be part of the EECi multidisciplinary team of researchers in developing system-level models for environmental impact assessment and techno-economic feasibility of their individual systems/technologies, which are then integrated into a model of a large urban area.

Link to the post-doctoral research associate positions:

<http://www.admin.cam.ac.uk/offices/hr/jobs/vacancies.cgi?job=4750&wantsFull=1&adv=1>
<<http://www.admin.cam.ac.uk/offices/hr/jobs/vacancies.cgi?job=4750&wantsFull=1&adv=1>>

[dv=1](#)

<http://www.admin.cam.ac.uk/offices/hr/jobs/vacancies.cgi?job=4750&wantsFull=1&adv=1>> >

Link to the PhD studentships:

<http://www.admin.cam.ac.uk/offices/hr/jobs/vacancies.cgi?job=4731&wantsFull=1&adv=1>

<http://www.admin.cam.ac.uk/offices/hr/jobs/vacancies.cgi?job=4731&wantsFull=1&adv=1>

<http://www.admin.cam.ac.uk/offices/hr/jobs/vacancies.cgi?job=4731&wantsFull=1&adv=1>> >

Informal inquiries can be made to Ruchi Choudhary (r.choudhary@eng.cam.ac.uk <<mailto:r.choudhary@eng.cam.ac.uk>> >) or Steven Barrett (steven.barrett@eng.cam.ac.uk <<mailto:steven.barrett@eng.cam.ac.uk>> >). A letter of application and CV should be sent by email to the appropriate investigator as early as possible. Applications will be considered until the position is filled. The latest starting date is 1 October 2009.

17. USEPA: ENERGY STAR Products Positions Available

Positions are in the ENERGY STAR Products Branch, in the Climate Protection Partnership Division of the USEPA. The ENERGY STAR Products Branch implements the Agency's goals to encourage the design, manufacture and sale of products that meet its guidelines for energy efficiency. The Products Branch is responsible for writing and revising ENERGY STAR efficiency specifications for products, working with product manufacturers and retailers to market ENERGY STAR qualified products and educating consumers, as well as institutional purchasers, about the value of ENERGY STAR.

One position involves managing the ENERGY STAR product specifications development process for a variety of residential and commercial products, with an emphasis on consumer electronic and IT products. Another position centers around marketing activities for ENERGY STAR qualified commercial kitchen products.

The major responsibilities of the product specification development position include: (1) managing the working relationships with a wide variety of domestic and international manufacturers and other stakeholders that have an interest in the development of the ENERGY STAR specifications. (2) Reviewing and interpreting information and data used in the development of ENERGY STAR product test procedures, performance specifications and reporting requirements. Steps in this process include: analyzing energy consumption and technology trends and developments across business environments and gathering product and market sales data used in the quantification of national energy savings estimates. (3) Developing and implementing strategic plans for the timely completion of appropriate product test procedures and specifications to ensure program continuity and consistency with program principles.

The job responsibilities of the sales and marketing position include working with manufacturers commercial kitchen products to manufacturer and market energy efficient models, working with national restaurant and fast food chains to purchase efficient food service products and working with regional energy efficiency program sponsors to promote ENERGY STAR qualified commercial kitchen products to their customers.

This position requires a graduate degree or equivalent experience in public policy, environmental science/management, engineering, marketing and/or business administration. Successful candidates will thrive in a fast-paced, deadline-oriented work environment and be able to manage multiple projects. The position is ideal for someone who is detail-oriented with a diverse set of skills and a dynamic personality.

Please send resume and cover letter to Jeanette Shepherd, shepherd.jeanette@epa.gov <<mailto:shepherd.jeanette@epa.gov>> . NO phone calls please.

US Citizenship required

18. Energy Analyst - Walnut Creek, California

Summit Blue Consulting (www.summitblue.com <<http://www.summitblue.com/>>) is seeking a junior to mid level energy analyst to support our analysis of energy efficiency projects across California and the Western United States. Primary tasks include field research using data collection instruments, energy analysis and modeling, and report writing. Interpersonal skills and the ability to conduct market and technology research across a broad range of energy industry participants are also important. The successful candidate will have strong analytical skills, an interest in the energy efficiency and renewables industry, and have some familiarity with energy efficiency concepts. A desire to develop professionally in the energy efficiency and renewables field is important.

This is a contract position requiring a minimum of 20 hours per week, with the potential to become a full time employee. Compensation will be commensurate with experience. Recent graduates are encouraged to apply.

College degree in engineering, energy and resources, or related field; graduate degree a plus

Some familiarity with energy efficiency concepts preferable

Strong writing and verbal skills

Strong quantitative analytical skills

Computer skills, including complex spreadsheets and PC based databases

Valid California drivers license required

This position is located at Summit Blue's Walnut Creek, California office. Interested parties should submit a cover letter, resume, and writing sample to hr@summitblue.com <<mailto:hr@summitblue.com>> .

19. Building Energy Positions: EMC, Irvine, Atlanta, Lakewood CO,

EMC Engineers has 32 years experience in making buildings work better. Substantial and significant, sustained growth in all of our core technical service areas has resulted in multiple opportunities for professional positions. Our core services areas are:

Energy engineering (auditing, assessments, modeling)

High performance building MEP design

Commissioning new construction

Retro-commissioning existing buildings

Implementation services and project management of energy efficiency upgrades in buildings.

We are a national firm with 6 offices, appropriately diversified, and we provide outstanding professional opportunities, un-matched benefits, and an opportunity to apply your engineering talent to really “make a difference.” Our current staff of 135 is in immediate need of additions in the following areas:

Senior HVAC Design Engineers - Denver, and Atlanta:

Senior Cx Engineers - Irvine, and Atlanta:

B.S. or M.S. in Mechanical or Architectural Engineering or comparable Cx experience for non-degreed applicants. Successful candidates require fully developed technical and field background in commissioning and/or equipment testing and troubleshooting, including energy engineering and energy conservation for mechanical building systems (HVAC, plumbing, temperature controls). Knowledge in field assessments, data trending, energy simulation modeling and energy savings analysis is beneficial for Cx positions and mandatory for Retro-Cx positions. Proven experience in managing Cx and RetroCx projects is a must and supervision or oversight of staff and junior Cx engineers and technicians will be a requirement.

Staff and Senior Commissioning Engineers:

B.S. or M.S. in Mechanical or Architectural Engineering or comparable Cx experience for non-degreed applicants. Staff positions are 6 to 10 years experience and senior positions are 10 years or more experience. Successful candidates require fully developed technical and field background in commissioning and/or equipment testing and troubleshooting, including energy engineering and energy conservation for mechanical building systems (HVAC, plumbing, temperature controls). Knowledge in field assessments, data trending, energy simulation modeling and energy savings analysis is beneficial for Cx positions and mandatory for Retro-Cx positions. Proven experience in managing Cx and RetroCx projects is a must and supervision or oversight of staff and junior Cx engineers and technicians will be a requirement. One position is open for a Staff Cx Engineer in our Lakewood office and one position is open for a Senior Cx Engineer in our Irvine office. Multiple positions are open in our Atlanta and Raleigh offices.

Senior Energy Engineer:

B.S. or M.S. in Mechanical or Architectural Engineering or comparable energy experience for non-degreed applicants. Minimum 15 years energy management experience. Successful candidate requires fully developed technical capability in energy audits, field assessments, data trending, energy simulation modeling and energy savings analysis. Proven experience in managing energy efficiency projects is a must and supervision or oversight of staff and junior energy engineers will be a requirement. One position is open in both our Lakewood and our Irvine offices. Lakewood position requires supervision of approximately 20 technical staff.

Junior Energy Engineers

B.S. or M.S. in Mechanical or Architectural Engineering plus 0 to 3 years of work experience. Successful candidates will be required to demonstrate technical capability in energy audits, field assessments, data trending, energy simulation modeling and energy savings analysis for building systems. Candidates must be willing to accept a wide variety of engineering tasks, including site investigations, energy audits, energy modeling, and system data collection. One position is open in our Atlanta, GA office.

Proposal Coordinator - Atlanta Offices:

Position requires strong written skills and marketing background for assessing, preparing, and writing technical services proposals in response to customer requirements. Knowledge of proposal and marketing professional engineering services a plus. Strong skills with MS Word, Excel and Power Point as well as excellent communication skills required.

Position Responses:

For the above positions located in our Denver, Salt Lake City and Irvine offices, please respond (include cover letter and resume) to:

Don Davenport
Executive Vice President
ddavenport@emcengineers.com

[<mailto:ddavenport@emcengineers.com>](mailto:ddavenport@emcengineers.com) For the above positions located in our Atlanta, Raleigh, and Fairfax offices, please respond (include cover letter and resume) to:

Carl Lundstrom
Vice President
clundstrom@emcengineers.com

[<mailto:clundstrom@emcengineers.com>](mailto:clundstrom@emcengineers.com) or:

Doug Gray
Vice President
dgray@emcengineers.com [<mailto:dgray@emcengineers.com>](mailto:dgray@emcengineers.com)
<http://emcengineers.com/emc/employment.html>
[<http://emcengineers.com/emc/employment.html>](http://emcengineers.com/emc/employment.html)

20. Western States Climate Economist, Union of Concerned Scientists, Berkeley

The Union of Concerned Scientists (UCS) is seeking a Climate Economist to bring sound economics to bear on building support for, developing, and implementing strong climate policies in California and other western states. The Climate Economist will evaluate the economic feasibility of various climate policy approaches at the state and regional level and help advocate for the best policies. The Climate Economist will help ensure that economic modeling is used to move strong climate policies forward. The Climate Economist will also spend some time working on national and international climate policy as needed.

Provide analysis of the design and economic feasibility of various climate policy approaches at state and regional levels, including sectoral solutions as well as economy-wide market mechanisms.

Plan, design, and implement appropriate UCS economic analyses, policy briefs, and activities in support of UCS objectives in California and the Western states. Provide technical information and expertise through testimony, written materials and public speaking.

Maintain up-to-date knowledge of major economic models and applications to assist and support UCS climate, vehicles and energy activities in California.

Exchange information, share resources and engage in collaborative studies with economists and analysts at other organizations as well as coordinate with analysts at UCS. Work with coalition partners at the state, regional, and federal level by providing relevant technical input and policy advice.

Work on national and/or international issues as appropriate.

Qualifications:

A Ph.D. in economics or a closely related field (preferred) or an M.A. in economics is required. Position requires a comprehensive understanding of the appropriate use of economic and technical information in the policymaking process. Candidates must be analytically oriented with a strong interest in policy. Demonstrated ability to communicate effectively with economists and other professionals as well as with policymakers and the public is needed. Excellent written and verbal communications skills are required. Familiarity with the economic costs and benefits of economy-wide and sectoral climate and energy policies strongly preferred. Knowledge of basic climate science and energy technology issues helpful, but is not required.

Work requires three to five years of related experience, including background in environmental and energy economic policy development and analysis and project management. Up to one year of on-the-job training is needed to become familiar with UCS organization, philosophy, programs and constituencies.

To Apply: Send a cover letter referencing where you learned of this job opening, résumé, and salary requirements via email to jobs@ucsusa.org <mailto:human_resources@ucsusa.org> ; please include "Western States Climate Economist" in the subject line. Electronic submissions only.

21. 4 more energy positions from BRIGHT GREEN Talent recruitment firm:

1. Commissioning Agent, Energy Efficiency and Engineering Firm (Oakland, CA)

Full information and to apply:

<http://bgt.catsone.com/careers/index.php?m=portal&a=details&jobOrderID=66452>
<<http://bgt.catsone.com/careers/index.php?m=portal&a=details&jobOrderID=66452>>

Background:

This growing mechanical design firm works with LEED Platinum, zero-carbon, award-winning projects. They are leaders in the design of energy and water efficient buildings, and compete and win against the largest firms in the industry. Our team is dedicated to creativity and innovation in resource-efficient design. The firm offers a relaxed, high-performance office environment that fosters collaboration and design excellence.

Position Overview:

The firm is seeking an experience Commissioning Agent/Construction Administration to join their team. This person will serve as the project lead throughout the construction process and be responsible for all day-to-day aspects of the construction phases of all mechanical, electrical, and plumbing projects in office. Local travel to job sites on a regular basis is required. Out of town travel is required occasionally.

Responsibilities

- Perform building commissioning, including CX plan, installation checks, testing, and reporting
- Review documents for constructability issues during design development and construction documents phases
- Coordinate responses to RFIs and contractor questions with design team
- Review submittals
- Work with design team to resolve design issues that arise during the construction process
- Attend construction meetings as required
- Conduct on-site observation visits to verify contractor's work and develop punch lists

Skills and Qualifications:

Required

- B.S. in Mechanical Engineering
- 3-5 years of green building commissioning and construction administration experience
- HVAC design experience highly desirable
- Experience with and understanding of LEED commissioning requirements
- Knowledge and understanding of a variety of construction and engineering practices
- Project management skills

2. Channel Sales Director, Solar Firm (San Francisco, CA)

Full info and to apply:

<http://bgt.catsone.com/careers/index.php?m=portal&a=details&jobOrderID=69534>
<<http://bgt.catsone.com/careers/index.php?m=portal&a=details&jobOrderID=69534>> .

They're also hiring an Operations Engineer:

<http://bgt.catsone.com/careers/index.php?m=portal&a=details&jobOrderID=43209>
<<http://bgt.catsone.com/careers/index.php?m=portal&a=details&jobOrderID=43209>>

Background:

This solar firm was founded on the simple idea that solar electricity should be affordable and hassle-free. We provide consumers the lowest cost and easiest way to go solar. The company sells residential customers electricity produced by solar systems installed at their facilities through Power Purchase Agreements. They own and operate these systems, which are built by expert solar installers using the best technologies available today.

Role and Responsibilities:

You will be responsible for driving sales through our marketing channels. You will work closely with solar installations companies, marketing service providers, and senior management. The position reports directly to the EVP of Sales and Marketing.

Skills and Qualifications:

- * Solar industry experience or ability to learn a new industry quickly
- * 3-7 years sales or marketing experience
- * Previous channel sales experience and demonstrated success
- * Bachelor's degree
- * Demonstrated commitment to renewable energy and the environment

Location: San Francisco's Financial District

Compensation: Competitive base, commission, paid vacation, medical insurance.

To apply: visit

<http://bgt.catsone.com/careers/index.php?m=portal&a=details&jobOrderID=69534>
<<http://bgt.catsone.com/careers/index.php?m=portal&a=details&jobOrderID=69534>> .

3. Senior Mechanical Engineer & Drive Systems Engineer -- San Francisco solar firm

This organization aims to provide technology that delivers solar energy at the price and scale of traditional fossil fuel alternatives. They're seeking a Senior Mechanical Engineer and a Drive Systems Engineer, both with 8-12 years relevant experience.

See full job descriptions and apply at
<http://bgt.catsone.com/careers/index.php?m=portal>
<<http://bgt.catsone.com/careers/index.php?m=portal>> .

4. Several other engineering positions with various solar and energy efficiency firms are listed at: <http://bgt.catsone.com/careers/index.php?m=portal>
<<http://bgt.catsone.com/careers/index.php?m=portal>>

Bright Green Talent is a mission-driven, environmentally-focused recruiting firm.
www.brightgreentalent.com <<http://www.brightgreentalent.com/>>

1% of the proceeds from these searches will be reinvested in non-profit organizations that are working towards a socioeconomically-inclusive transition to a green economy.

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Carolyn Mansfield
Bright Green Talent
'Talent for a Bright Green Future'

Fixed: 415.391.0729

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