

From: Gil Masters <gmasters@stanford.edu>  
Subject: energyfolks: Lutz lust, PG&E solar, climate  
To: energyfolks@lists.stanford.edu  
Date: Monday, June 8, 2009, 12:00 AM

Yep, it's the end of the school year. Congratulations and best of luck to the newest crop of renewables and efficiency graduates, wherever you are.

By the way, if you are on this energyfolks list with an @stanford.edu email address and you are graduating, Stanford will soon automatically drop you from the list without notifying either you or me. So, if you want to continue to receive energyfolks blurbs, within a few weeks or so you might want to send me your new email address.

gil (I'm off to Orcas for the next few months... Yay!)

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1. Quote of the Day: Comments of GM's Bob Lutz on cars and lust
2. [PG&E signs third major solar deal this year, this one for 230 MW PV](#)
3. DC: Cuts for Waves, Tidal Energy Research; Summary of Climate legislation
4. Keeping track of State incentives for renewables and efficiency
5. MIT Club of Northern California doings..
6. Renewables and Climate Bike Ride: NYC to DC, Sept 26-30

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## **JOBS**

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1. Energy Auditor, Vancouver, BC
2. Energy Engineer or Energy Analyst, HDR, SF
3. Energy/Environment, 2 positions, GE Energy Infrastructure, Atlanta
4. SunPower, Large-Scale PV Development, Richmond, CA
5. Research Fellow, Economics, and Solutions Fellow, The Pew Center, VA
6. Another HDR Energy Performance Analysts, SF, Omaha, VA
7. Mid-Level and Senior Energy Engineers, Energy Solutions, Oakland
8. Energy Officer position at the Miami Science Museum

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### **1. Quote of the Day: Comments of GM's Bob Lutz on Cars and Lust**

NYTimes Sunday June 7, 2009

The question remains how GM executives, so proud of their company's history, so in love with the cars of an earlier generation, will cope with their own

ambivalence to change. And no one in the corporation embodies that ambivalence more than Bob Lutz. Just the new language associated with environmentalism irks him. He momentarily looks bewildered when asked whether the place of the modern vehicle is undergoing a change in the culture, whether in time Americans might chiefly appreciate a GM car simply for its "utilitarian" value, a reliable conveyor of riders from point A to B.

Lutz raises his eyebrows. "Utilitarian?"

A car is not an appliance, he says. A car is not a washing machine -- the proof of which is that people do not lust after their washing machines. They lust after a beautiful car, he says. If you want reliable, go get yourself a refrigerator. A gorgeous car, he says, is an expression of power and yearning, especially for owners who hope the vehicles will inject excitement and romance into their otherwise mundane lives. "Show me a washing machine that can do that," he says.

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## **2. PG&E signs third major solar deal this year, this one for 230 MW PV**

By Tracy Seipel, Mercury News 06/06/2009 04:39:15 AM PDT

Pacific Gas & Electric on Friday announced that it has signed a photovoltaics deal with AV Solar Ranch 1, a subsidiary of NextLight Renewable Power, for 230 megawatts of solar power. The project, which will be located in Antelope Valley, is expected to begin deliveries in 2011 and be fully operational by late 2013.

This is the third major solar contract PG&E has signed this year. Last month, PG&E announced an expansion of solarpower contracts with Oakland's BrightSource Energy for a total of 1,310 megawatts of electricity.

In April, the utility asked state regulators to let it hire Solaren of Manhattan Beach to generate electricity from solar-powered satellites in space. If approved, that deal is expected to deliver 200 megawatts of power to California by as early as 2016.

Investor-owned California utilities such as PG&E are required by 2010 to get 20 percent of their power from renewable sources, or to have contracts for power from projects that go online by 2013.

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## **3. DC: Cuts for Waves, Tidal Energy Research; Summary of Climate legislation**

May 31 - McClatchy Washington Bureau

**The Obama administration has proposed a 25 percent cut in the research and development budget for wave and tidal power.**

**At the same time the White House sought an 82 percent increase in solar power research funding, a 36 percent increase in wind power funding and a 14 percent increase in geothermal funding, it sought to cut wave and tidal research funding from \$40 million to \$30 million.**

**Meanwhile, here's an interesting wave company:**

<http://www.pelamiswave.com/index.php>



Agucadoura Wave Farm

**Nice Summary of Climate change legislation .... being debated in Congress:**

[http://energycommerce.house.gov/Press\\_111/20090602/hr2454\\_reported\\_summary.pdf](http://energycommerce.house.gov/Press_111/20090602/hr2454_reported_summary.pdf)

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#### **4. Keeping track of State incentives for renewables and efficiency**

The single best source for information on renewable energy incentives of all types is the [Database of State Incentives for Renewables & Efficiency \(DSIRE\)](#). DSIRE provides up-to-date access to information on renewable energy incentives and the regulatory policies of the agencies and organizations that administer them.

In addition to state incentives and municipal incentive programs, there are significant federal tax incentives, including the Commercial Investment Tax Credit which offers a tax credit for 30% of solar equipment costs and the Modified Accelerated Cost-Recovery System (MACRS) that allows businesses to recover investment in solar technology through accelerated depreciation schedules.

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#### **5. MIT Club of Northern California doings..**

##### **[MIT and HBS Club of Northern California present Starting a Cleantech Business](#)**

**Event: Monday, June 8th, 6 - 8:30pm**

Location: Fenwick and West, 801 California St, First Floor, Mountain View, CA

Registration: <http://www.mitcnc.org>

MIT Club of Northern California and HBS Association of Northern California present a series of events focused on business careers in Cleantech and Entrepreneurial networking. This series will highlight pathways into new clean tech careers, how to start new clean tech businesses and explore the trends and best practices in transitioning to green business operations. Learn how to start a new Clean Tech Business. Where are the opportunities and how can you best apply your skill set.

Panelists: Matt Goldman, Co-founder and President Sustainable Spaces, Alex Kinnier, Partner at Khosla Ventures

- Deborah Magid, Director, Software Strategy, IBM Venture Capital Group, Scott Newcomb, CEO Virgance

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**MIT Angels and OPEN: Cleantech Investor Pitch Lunch at OPENforum**

**Event: Saturday, June 13th, 12:30pm - 2.00pm**

Location: Computer History Museum - 1401 N. Shoreline Blvd., Mountain View, CA

Registration: <http://www.mitcnc.org>

MIT Angels, MIT Club of Northern California, and OPEN SV invite offer innovative Cleantech startups seeking funding a unique platform to present their pitches and mingle with a high-caliber audience of VCs, angel investors, strategic partners, corporate investors, industry experts, and potential check writers at [OPENforum '09](#).

Judges Include: Wasiq Bokhari, Managing Partner, Cleantech Circle, Stefan Heuser, President and CEO, Siemens Technology-To-Business Center, Anup Jacob, Partner, Virgin Green Fund, Alex Kinnier, Partner, Khosla Ventures, Freddy Mangum, Managing Partner, Cleantech Circle, and Rahul Prakash, COO & Head of Business Development, Virgance

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**[OPENforum: Winning Tomorrow](#)**

**Event: Saturday, June 13th, 8AM - 7PM**

Computer History Museum - 1401 N. Shoreline Blvd., Mountain View, CA

Online Registration at: <http://www.opensiliconvalley.org/>

OPEN's premiere event, OPENforum, is the sixth in a series of successful annual national conferences. The conference theme is "Winning Tomorrow". Given today's difficult economic environment, we seek to arm participants with insights, knowledge, and relationships to help them persevere during these challenging times and to prepare for a successful career ahead. The day long conference consists of: 12 panels featuring over fifty top entrepreneurs, venture capitalists, and business leaders across 3 industry tracks: Technology & Media, Cleantech & Global Affairs. Early Bird registration at \$55, on-site registration \$90.

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## 6. Renewables and Climate Bike Ride: NYC to DC, Sept 26-30

The 2nd Annual [Brita Climate Ride](#) invites you to pedal your way to a new energy future!\*\*

More than two hundred cyclists will join together from September 26 - 30, 2009 to embark on a journey from New York City to the steps of the U.S. Capitol in Washington, DC. We'll be making a powerful statement about the need for renewable energy and climate change awareness throughout this beautiful 300-mile bicycle ride. As a valued member of the green community, we invite you to participate in this historic event. Here are five good reasons why you'll want to sign up:

Be Part of a Grassroots Effort – You'll meet everyone from knowledgeable renewable energy experts, scientists and climate activists, to recent college graduates and everyday folks committed to making a difference.

Make an Important Statement – As you wind through the Delaware River Valley, Valley Forge, and Amish Country, your congressional representatives await your arrival at our nation's Capitol. There, you'll have the opportunity to voice your concerns and encourage action.

It's a Climate Conference on Wheels – Hear informative talks each evening after a day of enthusiastic cycling through beautiful countryside. Discuss climate science, green technology, and solutions to the climate crisis while re-energizing for the next day's ride.

The Time is Now – We're at a climatic tipping point. With the upcoming COP15 United Nations Climate Change Conference in Copenhagen in December, the 2009 Brita Climate Ride is more timely than ever.

It's Fun! – This unforgettable, fully-supported event allows you the chance to unite with fellow cyclists while having the time of your life. Experienced leaders mind all the logistics, so you can strike up new friendships, network, and engage in stimulating conversation.

Are you ready to ride? Take five minutes to explore the [Climate Ride website](#) . We've posted [photos](#) and [videos](#) from the 2008 Ride that will entice and excite you – we guarantee it! Mark your calendar and register [here](#). We have a number of fundraising prizes and incentives this year including an all-expense paid trip to the [COP15 Conference in Denmark!](#)

The Brita Climate Ride supports essential climate projects at two beneficiary organizations. [Focus the Nation](#) and [Clean Air – Cool Planet](#) . When you

become a 2009 Climate Rider your fundraising effort (minimum \$2,400) helps support their projects. In order to accommodate more riders, we've doubled the number of available openings to 250. They will fill up fast, so [register today](#), and we'll see you there!

Geraldine Carter & Caeli Quinn  
Climate Ride Co-Founders  
[info@climateride.org](mailto:info@climateride.org)

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**JOBS      JOBS      JOBS**  
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**1. Energy Auditor, Vancouver, BC**

The following new employment opportunity within the Vancouver, British Columbia office of Stantec is posted at [www.stantec.com/careers](http://www.stantec.com/careers)

Energy Auditor - Senior (Job number 2009-6780)

For a full description of the above position, go to this link: <http://jobs2-stantec.icims.com/jobs/6780/job>

Please apply directly through the website or send a resume and cover letter to Gerri Tabak at [gerri.tabak@stantec.com](mailto:gerri.tabak@stantec.com)

Within the Buildings Engineering Practice Area, the Stantec Sustainable Solutions Team (S3) provides sustainability based consulting services for a variety of scales in the built environment. Our multi-disciplinary team is comprised of collaborative and creative professionals who assist a variety of clients in developing high-quality, high performance, and sustainable buildings.

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**2. Energy Engineer or Energy Analyst, HDR, SF**

HDR is seeking an Energy Engineer or Energy Analyst for our San Francisco office.

HDR's energy management consulting group within HDR (formerly BVA) has 25 years of experience providing a full range of technical services related to energy efficiency, renewable energy, and cogeneration projects. This individual will have the opportunity to work on a variety of exciting projects already underway with California utility companies, government agencies, and private companies.

Ideal candidate has experience in performing engineering and economic analyses for energy efficiency projects and/or programs. Experience with carbon

inventories and greenhouse gas management helpful. Candidate preferably has a technical degree. Experience with energy audits, measurement and verification, cogeneration, water efficiency, and green building design is also helpful. Good writing skills are required.

Requirements: BA/BS in Engineering or related Field. 3+ years of Energy Engineering experience. Excellent writing skills are required.

For more information or to forward your resume, please contact Emily Leslie at 415-814-6710 or [Emily.Leslie@HDRinc.com](mailto:Emily.Leslie@HDRinc.com)

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### **3. Energy/Environment, 2 positions, GE Energy Infrastructure, Atlanta**

I've been cleared to expand my team. I have two very interesting energy/environment positions I'm seeking to fill to support our policy and institutional analytic capabilities (see attached). Successful candidates would work with me on the Global Strategy and Planning team to evaluate the policy implications and opportunities related to a wide range of issues ranging from the smart grid to flare gas and water reuse.

The students and alumni can apply to the position by visiting [www.gecareers.com](http://www.gecareers.com) and posting on Job # 1057422.

Peter C. Evans, PhD  
General Manager  
Global Strategy and Planning  
GE Energy Infrastructure  
4200 Wildwood Parkway  
Atlanta, GA 30339  
T 678.844.7690  
M 678.477.5454  
E [peter.evans@ge.com](mailto:peter.evans@ge.com)

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### **4. SunPower, Large-Scale PV Development, Richmond, CA**

SunPower is seeking an experienced sales professional to help implement strategies and tactics necessary to develop solar power plant projects for key Federal DoD sites and other Federal Agencies. The Project Developer is responsible for working with base command, director level and other designated points of contact to formulate proposals and develop project sites for photovoltaic systems. We are looking for a team player with proven ability to achieve results in a fast moving, dynamic environment. The candidate should be self-motivated and self-directed.

I am currently looking for a Federal Project Developer for the North America Systems group. Specifically we are looking for someone who has experience selling or developing large scale projects from 1 Megawatt to 10 Megawatts with commercial customers. We would prefer someone who has sold into the government from municipal to federal level.

The hiring manager would prefer that the candidate be based in Richmond, CA but is open to candidates working remotely from states on the West or East coast or in the State of Texas.

Candidates that are interested in being considered can email me directly at [tracy.moorer@sunpowercorp.com](mailto:tracy.moorer@sunpowercorp.com).

If you are interested in joining SunPower, please apply by following the link below or apply on-line at [www.sunpowercorp.com/careers.htm](http://www.sunpowercorp.com/careers.htm) . *No phone calls please.*

Tracy Moorer  
Lead Recruiter, GBU  
**SunPower Corporation**  
1414 Harbour Way South, Ste. 1900  
Richmond CA 94804 USA  
Email: [tracy.moorer@sunpowercorp.com](mailto:tracy.moorer@sunpowercorp.com)  
(510) 439-4657 Direct  
<http://www.sunpowercorp.com>  
NASDAQ: SPWRA  
Linkedin profile: <http://www.linkedin.com/pub/0/236/968>

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**5. Research Fellow, Economics, and Solutions Fellow, The Pew Center, VA**  
Posted: May 12, 2009\_Pew Center on Global Climate Change, Arlington, VA

The Pew Center on Global Climate Change seeks a highly qualified and committed person to serve as a resource on market-based environmental policy with a particular focus on the agricultural and natural resource components of climate change economics. The position will provide economic research and analysis for projects on such topics and cap-and-trade legislation, cost of inaction (benefits of action) associated with climate change, biosequestration, and land use policy options. Applicants must be able to work collaboratively with policy experts and possess exceptional analytical and quantitative skills, including modeling and statistical analysis. Familiarity with major economic models analyzing the costs and benefits of climate change policies is required.

Master's degree in economics , environmental policy or related field;  
Several years of experience working on climate change or climate change

related policy preferred

Starting Date: July 2009 To apply- send resume and cover letter to: Human Resources Office Attn: Economics Fellow The Pew Center on Global Climate Change 2101 Wilson Boulevard, Suite 550 Arlington, VA 22201 or electronically in a Word Document or pdf to [hr@pewclimate.org](mailto:hr@pewclimate.org) [3] \*\*\*\*\*

**2nd JOB Pew Center \*\*\*\*\* JOB ANNOUNCEMENT – Solutions Fellow** Posted: May 14, 2009 The Pew Center on Global Climate Change seeks a highly qualified and committed person to focus on the Pew Center’s Solutions program, including technology initiatives as well as state and regional climate policy. This position reports to the Vice President for Innovative Solutions. The Solutions Fellow will be an integral part of the Solutions team. He or she will focus on many of the areas below, depending on the evolving demands on the Solutions program

Two years of work experience related to climate change policy;  
Master’s degree in environmental policy, environmental science, energy resources, economics or related field;

About the Pew Center on Global Climate Change: The Pew Center is a non-profit, non-partisan, and independent organization dedicated to providing credible information, straight answers, and innovative solutions in the effort to address global climate change. The Center was formed in 1998 with a large grant from the Pew Charitable Trusts. The Pew Center strives to inform the debate by publishing reports in the areas of domestic and international policy, economics, environmental impacts, and practical solutions relating to climate change. To facilitate dialogue among business, government, and non-governmental organizations, the Center hosts conferences and workshops on selected topics that have included: the timing of climate change policy, technology policy, and improving the state of the art of the economic modeling of climate change. Finally, Pew Center staff participates in meetings on international climate change issues, including the ongoing negotiations on the United Nations Framework Convention on Climate Change. The Center’s Business Environmental Leadership Council (BELC), comprised of major companies representing diverse sectors with a combined \$2.8 trillion in market capitalization and over 3.8 million employees, demonstrates leadership in addressing the challenge of global climate change by assessing opportunities for emissions reductions, establishing and meeting emissions reduction objectives, and investing in new, more efficient products, practices and technologies. For more information about the Pew Center visit [www.pewclimate.org](http://www.pewclimate.org) [2]. To apply - send resume and cover letter to: Human Resources Office Attn: Solutions Fellow The Pew Center on Global Climate Change 2101 Wilson Boulevard, Suite 550 Arlington, VA 22201 or electronically in a Word Document or pdf to [hr@pewclimate.org](mailto:hr@pewclimate.org) [3]

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## **6. Another HDR Energy Performance Analysts, SF, Omaha, VA**

HDR is in search of experienced Energy Performance Analysts to join our growing Sustainability groups in our San Francisco, CA, Omaha, NE, and Alexandria, VA offices.

The Energy Performance Analyst will work with HDR project teams to achieve energy-efficient building and system design. This will require working with designers, architects and engineers from the beginning of the design process through construction documents to help optimize energy performance. The Energy Performance Analyst will also manage or participate in energy audits of existing buildings to identify and investigate energy conservation and utility cost reduction measures. This may include site visits, walk-through assessments, energy data collection, basic financial analysis, and report writing.

**Key Responsibilities:** Participate in HDR charrette process and/or initial project meetings to discuss energy goals. Recommend energy-efficient design solutions and energy-efficient technologies, including lighting, HVAC, and building envelope measures. Serve as a resource to other team members regarding state-of-the art building systems such as advanced control strategies, daylighting design, natural ventilation, cogeneration, photovoltaic systems, etc. Perform energy and economic analysis of design alternatives using energy modeling software and spreadsheets. Develop detailed energy models using DOE-2 compliant software. Prepare documentation required for obtaining LEED energy credits. Meet with clients and team members to discuss energy efficient solutions for mechanical and lighting systems. Ability to manage and schedule a project in its entirety. Perform energy audits of existing buildings.

The following skills are required: Degree in Engineering, Architectural Engineering, or related field. 10+ years experience. Demonstrated practical experience, competence, and proven expertise in evaluating state-of-the-art building designs and energy-efficiency technologies. Thorough understanding of mechanical systems and controls and knowledge of the specialized requirements of highly technical facilities such as hospitals and laboratories. Ability to develop detailed DOE-2 or eQuest energy models. Experience working within the architectural design process. Understanding of energy efficient commercial lighting systems. Availability to travel out of state. Excellent writing and

documentation skills. Excellent presentation skills with the ability to speak with confidence to building owners, facility personnel, contractors, architects and engineers. The following skills are preferred but not required for this position: Experience with Building Commissioning processes. Licensed as a Professional Engineer. Certified Energy Manager Accreditation. Understanding of renewable energy technologies and sustainable design as applied to commercial construction. Daylighting Modeling. Identification and Analysis of Water Efficiency Measures.

HDR is an architectural, engineering and consulting firm that excels at complex projects and solving challenges for clients. More than 7,700 professionals, including architects, engineers, consultants, scientists, planners, and construction managers, in over 165 locations worldwide, pool their strengths to provide solutions beyond the scope of traditional A/E/C firms.

To apply please log on to [www.work4hdr.com](http://www.work4hdr.com)

Search Jobs: Keywords: Energy Performance Analyst, 090222, 090223, 090228

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## **7. Mid-Level and Senior Energy Engineers, Energy Solutions, Oakland**

Energy Solutions was founded in 1995 to tap the power of the California market to address climate change and sustainability issues through energy efficiency and renewable energy sources. As one of the leading consulting firms in our field, we specialize in energy efficiency program design, implementation, and marketing as well as solar feasibility studies and financing and water conservation programs.

Energy Solutions currently has 55 employees and is rapidly expanding our client base as well as developing new services for clients. We are currently seeking full-time junior, mid-level, and full or part-time senior energy engineers to join our growing engineering group.

### **Responsibilities:**

Energy engineers will be responsible for conducting all aspects of building energy studies (energy audits) in commercial and industrial facilities, including

preliminary data analysis, on-site data collection, equipment power monitoring, evaluation of ECMs (energy conservation measures), and potential demand response and self-generation opportunities, and report generation. Energy engineers will report to the engineering group manager and will work closely with other team members as necessary and on more complex projects.

**Qualifications:**

Candidates should hold an engineering degree from an accredited university. Professional licensing (P.E.) required for senior-level candidates. Candidates are preferred to have comprehensive knowledge of commercial building systems including HVAC and ventilation, lighting, envelope, domestic water, motors and drives.

- Junior candidates should possess 0-3 years of applicable experience
- Mid-level candidates should possess 3-7 years of applicable experience
- Senior candidates should possess 7+ years of applicable experience

Knowledge and experience with building simulation and energy modeling software, building automation and controls, building commissioning and retrocommissioning, industrial process equipment, and renewable energy projects is also strongly desired. Mentoring and training skills are valuable for mid-level and senior candidates.

Strong communication skills and the ability to work independently as well as within a team is required of all candidates.

Please email a cover letter with your available start date, your resume and a technical writing sample to [kmerrill@energy-solution.com](mailto:kmerrill@energy-solution.com). For more information about Energy Solutions, please visit us on our website at [www.energy-solution.com](http://www.energy-solution.com).

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## **8. Energy Officer position at the Miami Science Museum**

The Miami Science Museum has recently received two appropriations from the U.S. Department of Energy/Energy Efficiency and Renewable Energy Resources division totaling \$1.4 million, to support planning for our new 250,000 s.f. LEED-gold facility, which is being built in downtown Miami on Biscayne Bay. The DOE appropriations are funding a series of energy studies to inform building design, as well as prototyping of specific components and technologies, and development of related educational exhibits and programs. Given our growing focus on sustainable design and renewable energy, we are currently trying to

recruit a full-time 'Energy Officer' to join our team. The ideal candidate for this permanent position is most likely a recent graduate (preferably PhD) with a degree in physics, environmental engineering or related field, knowledge of renewable energy resources, and experience delivering content in educational settings. The position description is available at the following link: <http://www.miamisci.org/www/employment-detail.php?jobID=164> \*Jennifer Santer \*/Senior Director, Content Development /Miami Science Museum 3280 S. Miami Ave Miami, FL 33129 t 305.646.4267 f 305.646.4300 \*[jsanter@miamisci.org](mailto:jsanter@miamisci.org)\*\* \*[www.miamisci.org](http://www.miamisci.org)

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

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energyfolks mailing list  
[energyfolks@lists.stanford.edu](mailto:energyfolks@lists.stanford.edu)  
<https://mailman.stanford.edu/mailman/listinfo/energyfolks>