



AMERICAN
ENERGY
SOCIETY

The world's exclusive network for energy professionals;
Connecting experts, thought leaders and decision-makers in pursuit of a sustainable energy future.

Energy Matters

3 February 2015

Members: Welcome to the e-Newsletter of the American Energy Society

Below you will find a rundown of what you need to know about energy right now. Topics include: conventional, renewables, funding, electricity, events, technology, policy, jobs, and featured organizations and experts. For more information about these and other stories please visit your account at www.energysociety.org.

Conventional

China record gas imports in December 2014 (3.41 BCM) surpassed by January 2015 totals.

Conventional Opponents. **Exhibit 1) Alaska vs. the federal government:** The Obama administration angered Alaska lawmakers by designating portions of the state off limits to oil and gas development. Alaska depends on oil revenues for much of its budget, and the flow of the Trans-Alaska Pipeline has been significantly reduced. State lawmakers say the administration's move infringes on their sovereignty and their citizens' livelihoods. **Exhibit 2) Anti-coal** "environmentalists" remain relevant only in regions that oppose coal (California and the Pacific Northwest); but, they are not gaining traction in Texas, Virginia, or other states that have historically supported exports to countries in need like China, India and Germany.

Renewables

Wind power contracts have been cancelled in Maryland, Delaware, New Jersey and Maine. However, don't assume that the offshore wind industry is done. There is still massive potential given the availability of the resource, the new manufacturing opportunities, and the need for accessible, clean energy.

Funding

New federal funding (FOA'S): \$14M in DoE grants will be announced for **disruptive innovations** in TRANSPORTATION, GRID SECURITY, AG-/BIOFUELS ...

Electricity

Conanicut Energy has private equity funding for "Electric Power Generation Projects" in US. Focus is on utility scale solar and biomass. Shovel ready projects would be first priority, but will consider pre-construction projects with right fundamentals.

Events

Watch for the two biggest energy events of the year: the **ARPA-e Summit, February 9 - 11**, and the **MIT Energy Conference, February 27 and 28**. If you cannot attend AES will offer summaries.

Technology

Solar can be dramatically improved by **stacking perovskites**, a crystalline material, onto the silicon cells, according to a new study led by Stanford University scientists.

Policy

California is taking a closer look at the Monterey Shale. State Legislators considering policy, but neither side (+/-) has put forth honest assessments.

Featured Organization

Energy Policy is stronger because of the National Governors Association, Environment, Energy & Transportation Division, led by **Sue Gander** and her talented team of directors. Take a moment to become familiar with what the **NGA EET** does and its importance in daily life, best practices, resources and services....

Featured Expert

We would like to welcome and thank new Member, **Bruce Nordman** of the prestigious Lawrence Berkeley Lab, who is trying to do for electricity what the Internet did for communications - to move to a completely different networking paradigm - at least within buildings.

What You Missed at AES

Pangaea Shale Play - the theory that long ago there was one massive O&G deposit, but that plate tectonics dispersed these deposits all over the world.

What's in store at AES

The Townhall Energy Series stops at **Georgia Tech on April 2 and 3**. Working with the Georgia Tech Energy Club the featured of the program is the Energy Expo. Please don't hesitate to contact the AES for more information.

Jobs

- Project Developer, Borrego Solar - Southern California (MBA preferred)
- Energy Analyst, BCS Consulting - Washington, DC (Grad Degree preferred)
- Storage/Mechanical Engineer, Sun Catyltix - Boston, Mass (M.A. preferred)
- Program Coordinator for Energy Efficiency, CLEAResult - Colorado (B.A./B.S. preferred)

www.dayawaycareers.com, or <http://energy.gov/eere/education/find-jobs>

Thanks

With deepest respect and gratitude, the AES will on a weekly basis recognize groups of people who have helped the Society in countless ways. This week we thank the former and current student interns of **Menlo School CBC program, including: Christina Wadsworth, Emma Pearson, Jon-Jon Liang, Adam Greenstein, Jon-Jon Lam, Matthew Roy, Michelle Ho, Jack Hammond, Tom Welch, and especially Maggie Vettel.**

And most of all, **Ted Larson** - this first edition of *Energy Matters* would not have been possible without his herculean efforts. All the Members extend their deepest gratitude. Thank you!

Encourage Colleagues To Join AES

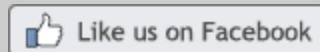
Please encourage your colleagues to join the **American Energy Society**. Basic membership is free, and the current Premium Membership rate - \$27/year - won't last long!
<https://www.energysociety.org/>

Contacts

MIT EC (<http://mitenergyconference.org/>)
ARPA-e (<http://www.arpaе-summit.com/>)

NGA EET (<http://www.nga.org/cms/center/eet>)
Bruce Nordman (<http://nordman.lbl.gov/>)
Menlo School
CBC (<https://www.menloschool.org/students/connections-beyond-the-classroom.php>)

On the web at www.energysociety.org



Quote of the month:

"As our case is new, so we must think anew, and act anew."

- Abraham Lincoln