



SEG

Sustainability
Engineering
Group, LLC.

Civil / Transportation / Water Resources / Wastewater / Planning / LEED

Dear Friend,

Hard to believe that Fall has arrived but with it is the opportunity for growth in 2012 and we can help.

SEG has stepped up to offer free AZAEP memberships and joined the Scottsdale Review Board. We challenge all of you to take the time and do something for your community.

Please review some of the highlighted projects each month in our newsletter and on the website. Your input is greatly appreciated.

Sincerely,

Ali Fakh
Sustainability Engineering Group
ali@azseg.com



Green Links

[Check out the 2nd Green Revolution's Green Events Calendar. If there is a sustainability/green conference, event, or festival in your area it is probably listed here.](#)

[Free October Webinar: GSA Schedules and Sustainability](#)

[2012 International Conference on Sustainability Science is the third meeting of its kind, and will be held at Arizona State University. ICSS 2012 will depart from the traditional conference model to employ an innovative case study approach.](#)

Free AZAEP Membership for Students

SEG, The Sustainability Engineering Group is sponsoring 10 students.

Free Membership for Students - Sustainability Engineering Group (SEG) is sponsoring 10 free student memberships to AZAEP this year; if you are interested please download and fill out a [membership application](#) and write "SEG" in the payment section. Email application to mzorba@transconusa.com (or mail to PO Box 44966, Phoenix, AZ 85064) and to Human Resource Department at HR@azseg.com.

Please sign up to our informative newsletter at www.azseg.com; SEG is a civil engineering firm headquartered in Phoenix and licensed in AZ, CA and NM.

SEG is proud to be a member of the AZAEP and has served as a lead consultant for public and private agencies in Arizona and throughout the western region of the United States.

To learn more visit AZ Association of Environmental Professionals.



Military spearheads clean-energy drive

Defense Department has pledged to obtain 25 percent of its energy from renewable sources by 2025

President Obama has put a special spotlight on clean technology during his time in the White House, personally visiting and praising 22 companies for their work on energy innovation and efficiency in high-profile trips. These visits made up more than half of Obama's out-of-town travel to businesses.

As the nation's single biggest energy consumer, the Pentagon has many reasons to want to diversify its fuel sources. Mabus and others say the move toward alternative energy is about national security and assured sources of supply.

In addition, with oil supplying 80 percent of the military's energy, the impact of price fluctuations ripples quickly through the system. Each one-dollar increase in the price of a barrel of oil adds more than \$30 million a year to the Navy's energy costs, officials say.

So the Pentagon is pressing ahead with an ambitious program to change its energy use. Its spending on renewable energy increased 300 percent between 2006 and 2009, from \$400 million to \$1.2 billion, and it is projected to reach more than \$10 billion annually by 2030, according to a report issued last week by the Pew Project on National Security, Energy and Climate.

To learn more visit Washington Post.





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Environmental Protection Agency created a program a decade ago called the Green Power Partnership to coax corporations and government entities into buying green power -which the EPA defines as solar, wind, geothermal, biomass and small-scale hydroelectric power.

Roughly 4% of electricity generated in the U.S. comes from these sources.

Here is the 10 largest corporate buyers of green power, as ranked by the EPA:

America's Top 10 Greenest Companies 2011

- 1) Intel
- 2) Kohl's
- 3) Whole Foods Market
- 4) Starbucks
- 5) Johnson & Johnson
- 6) Staples
- 7) HSBC North America
- 8) Cisco Systems
- 9) Wal-Mart / CA & TX
- 10) TD Bank

Thanks,

[FORBES](#)

City of Scottsdale Welcomes new Development Review Board Member

Civic Duty Calls as Ali Fakhri joins with leadership

"Congratulations on your appointment to the Development Review Board, and thank you for agreeing to volunteer your time to make this significant commitment to the City of Scottsdale.



Since our incorporation almost 60 years ago, the citizens of Scottsdale have taken a leadership role in building the quality of life we enjoy today. As we move into our next 60 years, the role you play individually and collectively as a member of the Board is very important.

Again, congratulations and thank you for volunteering your time to this important civic role."

Regards,
Mayor Jim Lane

To learn more read the [Letter from Scottsdale Mayor Jim Lane](#).

Will U.S. Policies Hand China the Lead in Clean Energy?

China Development Bank now has \$50 billion in lines of credit with renewable energy companies

At the GoingGreen conference, common themes across several sessions were the government's role in promoting green technology and competition from Chinese products, which are seen as heavily subsidized.

Keynote Speaker Nat Goldhaber gave numerous examples of how China invests more in greentech industries, like solar and wind power, and offered more subsidies for these industries.



He gave six prescriptions for the U.S.:

1. Companies should move to offer more H1 visas and green cards for foreign students who have technical degrees from U.S. universities. China now awards more advanced engineering degrees than the U.S. and many of our Ph.D. students are foreign nationals.
2. The country needs to "get serious" about green technology. It takes a long time to get large-scale projects in solar and wind approved, even if the projects theoretically pass environmental review.
3. The government must streamline the permitting process for such projects.
4. The government needs tax policy incentives to encourage greentech development in the U.S.
5. The U.S. needs to maintain its lead in developing intellectual property.
6. The country should accept and encourage China's ambitions. China is the low cost producer of many goods but faces its own issues; its cities are a lot more polluted than in the U.S..

To learn more visit [PC Magazine](#)



Presentation for NAU
Seminar on
Sustainability

Sustainability Engineering Group LLC

Please feel free to email us your input, comments and suggestions to help make this newsletter a success. Your input is very valuable. Have a Great Day!

Sincerely, Ali Fasih

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View our profile on **LinkedIn**

Find us on **Facebook**

As a small engineering firm, we provide competitive prices with heightened level of services. We would like the opportunity to propose on your future civil engineering projects.

SEG has served as a lead consultant for public and private agencies in Arizona and throughout the western region of the United States. Additionally, we have a great deal of experience in Transportation, Master Planning and entitlements, civil engineering, water / wastewater treatment plant, Hydraulic / Hydrology and sustainability investigation.

SEG's key members provide more than 150 combined years of experience in public and private sector work. We do hold Professional Engineer licenses in Arizona and California.



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