

**SEG**Sustainability
Engineering
Group, LLC.**Civil / Transportation / Water Resources / Wastewater / Planning / LEED****Dear Friend,**

Turning out the lights when you leave a room, driving only when you need to and shutting off the faucet when you brush your teeth, lower the temperature on your water heater, the list goes on...

As Earth Day arrives this year I would like each of us to consider that these are all great ideas but unless you stop and make a decision to change the way you view sustainability they are just that, ideas. Take the time and effort to think about how you can contribute when making your day to day choices in life. We all can do our part.

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

Sincerely,

Ali Fakih

Sustainability Engineering Group
ali@azseg.com**Green Links**

[41st anniversary of Earth Day! Join Keep Phoenix Beautiful in downtown Phoenix on Thursday, April 21st 2011 from 11am-1:30pm at Cesar Chavez Plaza](#)

Greenstock - music, yoga, speakers and green product and investment opportunities

20 Bands Over Three Days With National Headliners

Sustainable Expo & Concert on April 15-17, 2011. The GreenStock™ Expo & Concert Series feature a great lineup of national artists including Friday, April 15 th CandleBox, Saturday, April 16 th Carolina Liar and Sunday, April 17 th Grammy nominated FireFlight at beautiful Scottsdale Waterfront located south of Camelback Road between Marshall Way and Goldwater (7025 E. Via Soleri, Scottsdale, AZ 85251) in downtown Scottsdale, AZ.

Expo booths are powered by solar and other types of alternative energy. This event will feature green companies exhibiting their sustainable products at the free expo. Information will be provided to event attendees on: recycling, biodegradable products, natural foods, energy reduction, solar energy, wind energy, water conservation, yoga and much more, as well as educational opportunities for the public are in place to uphold the sustainable nature of the event. SRP's EarthWise will help provide educational materials to the attendees to help them live a happier, more sustainable life. .

Learn more at Greenstock.com.

Focus on Fuels: Developing Sustainable Biofuel Crops

The right crop: the search for sustainability

Fuels developed from biomass such as sugar or grain crops or algae could be used more widely in the future to power automobiles, homes, industrial manufacturing facilities and airplane engines.

Scientists and engineers at the University of Arizona are on a mission to develop sustainable agricultural biofuel field crops for Arizona and the desert Southwest - crops that will fuel a new industry as well as America's engines.

Biofuels - fuels developed from biomass such as sugar or grain crops or algae - have as many and diverse uses as traditional energy sources and could be used more widely in the future to power many technologies including automobiles, homes, industrial manufacturing facilities and airplane engines.

"There's no doubt that we're going to have biofuels in the future because no matter what, petroleum is a finite resource," said Dennis Ray, a plant geneticist at the College of Agriculture and Life Sciences. "Problems today are not solved by one discipline."

To learn more visit UA News.

Earth Day 2011 April 29 (Youth) and April 30 (Everyone) 9 AM to 3 PM both days /Pioneer Living History Museum 3901 W. Pioneer Rd. Phx. AZ

17th Annual Tucson Earth Day Festival is scheduled for Saturday April 16, 2011 at Reid Park. The Festival begins at 9:00 a.m. and ends at 2:00!

BIG Green Expo & Conference this April 15 & 16, 2011



Visit AZSEG.com

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GREEN THOUGHTS

Environmentalists have long been fond of saying that the sun is the only safe nuclear reactor as it is situated some ninety-three million miles away. - Stephanie Mills

Earth provides enough to satisfy every man's need, But not every man's greed. - Mohandas K. Gandhi

Only when the last tree has died and the last river had been poisoned and the last fish been caught will we realize we cannot eat money. - Cree Indian Proverb

How to Green your Office - Starting Small and Creating a Culture

Reduce your impact on the environment

Are you looking to reap the benefits of going green, but don't know where to start? Have you heard that not only can you save money by going green you can increase worker productivity and feel good about helping mitigate climate change?

Join presenters Larky Hodges and Ali Al-Asady as they present a program for Creating a Green Office. Learn how to: lower your energy use, use energy measuring tools, minimize paper use or go paperless, effective recycling strategies, best purchasing practices, tips for getting your co-workers on board; and much more. Attendees will leave with a toolkit to take back to the office to get started as well as a thorough plan for going paperless.



This event is scheduled for April 06, 2011 11:30AM - 01:00PM at the Arizona Historical Society Papago Park, 1300 N. College Avenue, Tempe, AZ 85281.

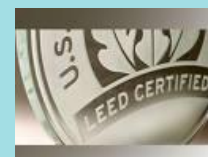
To learn more visit USGBCAZ.

UCSD Sustainability Center Awarded LEED Gold Certification - March 2011

Includes large works of modern art made from reclaimed materials and building scrap

A hotbed of student activism and involvement focused on energy- and resource-efficient innovations is now green and gold. The Sustainability Resource Center has been awarded a LEED "Gold" certification for incorporating many of the students' sustainability ideas into the center, such as reclaimed wood and metal building materials and what looks like a hardwood table that is actually recycled cardboard.

"The Sustainability Resource Center plays a critical role on campus, fostering collaborations and serving as a one-stop-shop for all things related to sustainability, as well as being an example itself of green-building practices," said UC San Diego Chancellor Marye Anne Fox at a celebration Feb. 22 at the center, which is located at the hub of campus life off the main plaza of the Price Center.



The surprisingly stylish Sustainability Resource Center (SRC) showcases large works of modern art (made from reclaimed materials and building scrap) and ceiling lights directly powered by solar panels. The center is the fifth campus building project to achieve LEED (Leadership in Energy & Environmental Design) certification by the U.S. Green Building Council. The others are the Scripps Seaside Forum, Campus Services Complex, Mesa Child Development Center and Goody's Place and Market. The campus has an additional 24 projects in various stages of design, construction and use that have sufficient green points for LEED applications.

To learn more visit Sustainability Solutions Institute.

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 Fakih

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Earth Day (HQ)



SEG
Current
Project:

Residential Homes

[Click Here to learn
more...](#)

Kirkpatrick Residence, Maricopa County, AZ: This residential property is located in Mesa under Maricopa County jurisdiction. SEG provided site grading and drainage for the project area (4.74 acres) based upon processing requirements. Performed utilities design, pool grading, putting and chipping design and grading, hydraulic and hydrology analysis. The watershed contributing to the existing wash adjacent to the proposed residence is of 64 acres and is mainly natural mountain reserve. SEG hydrologic and hydraulic studies were performed using HEC-1 and HEC-RAS computer program. DDMSW computer program is used to prepare the HEC-1 data input file.



Tyler Residence, Scottsdale, AZ: The project is a residential property located in Rio Verde area Scottsdale under Maricopa County jurisdiction. Provided project management and site grading and drainage for the existing site area based upon processing requirement for the Maricopa County and

flood control district. The Rio Verde has been analyzed using Flo2d, SEG worked closely with the flood control district and Maricopa county development department to revise flow and water surface elevation within the subject site. Performed the hydrologic and hydraulic studies using HEC-1 and HEC-RAS computer program.

Please [contact](#) the Sustainability Engineering Group for all your project needs.

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