



SEG

Sustainability
Engineering
Group, LLC.

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

Dear Friend,

It is going to be a slow and steady path to recover in the building industry but it is happening. Come join us and become part of the growth.

Just last week the Phoenix [Business Journal](#) reported that there was an increase in the demand for jobs in valley's construction industry. In fact, almost 2000 new employees.

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

Sincerely,

Ali Fakh
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Green Links

[Brookings Institute releases extensive report on the 'clean economy' which employs 2.7 million workers.](#)

[Demand continues to drain APS residential solar incentive funds. APS has emptied nearly all of its incentives for residential solar installations this year.](#)

[Experts weigh in on what comes next in Europe, Asia and North America. Solar Trends From Around the World](#)

Construction activity still slow, but lean firms see positive trends amidst hurdles

Phoenix-area homebuilders adjust to market

A deep plunge in both home foreclosures and pre-foreclosure notices in the second quarter ultimately could lead to a boost in business for Phoenix-area homebuilders, who have settled into a slow-but-steady sales pattern during the past two years...

It's not clear whether the lower numbers signify a decrease in unsustainable home loans or mortgage lenders taking a moment to catch their breath, analysts said. Even if the drop in foreclosures continued, it still would be a long time before area builders felt the positive effects, said Jim Belfiore, a Phoenix-based analyst who covers the homebuilding industry.



There were 4,000 new-home permits issued in Maricopa County in the first quarter, down about 10 percent from 4,546 permits during the same period a year earlier, according to the most recent data available from the realty-studies program at Arizona State University's W.P. Carey School of Business.

Home-construction activity remained slow in the second quarter, commensurate with the lower sales volume that builders have experienced, said Pierrette Tierney, vice president of sales and marketing for Scottsdale-based homebuilder Taylor Morrison.

To learn more visit [Arizona Republic](#).

Tucson's Solon, UA to build solar-energy storage project

1st phase of the project to begin now

Tucson-based Solon Corp. will team up with Tucson Electric Power Co. and the University of Arizona to build a solar-energy storage technology research site at the UA Science and Technology Park.

The Energy Storage Management Research and Testing site will be attached to a 1.6 megawatt solar plant, recently built by Solon for owner TEP at the UA Tech Park's Solar Zone. The UA's Arizona Research Institute for Solar Energy (AzRISE) will participate in the research project.



The site will help research the reliability and suitability of different energy storage technologies used with grid-tied photovoltaics. The aim is to provide utilities greater control of intermittent solar and wind resources, by using stored energy to generate power or stabilize voltage when photovoltaic panels aren't producing, for example, at night or on cloudy days.

To learn more visit [AZ Daily Star](#).



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The 20 States with the Most Toxic Air from worst to best:

- Ohio
- Pennsylvania
- Florida
- Kentucky
- Maryland
- Indiana
- Michigan
- West Virginia
- Georgia
- North Carolina
- South Carolina
- Alabama
- Texas
- Virginia
- Tennessee
- Missouri
- Illinois
- Wisconsin
- New Hampshire
- Iowa

Natural Resources Defense Council and Physicians for Social Responsibility, which identifies the 20 states with the biggest polluters and the worst air quality put together the [list](#).



Going Green is Fun

ASU encourages students to make sustainable transportation choices

City government and University collaboration

Phoenix is a sprawled city making mass transit difficult for its residents, but Arizona State University officials hope to encourage students to be more sustainable in their transportation choices.

ASU continues to show its commitment to sustainability and reaching its goal of carbon neutrality. Complete mitigation of transportation emissions by 2035 may seem like a big goal, but baby steps are what will make a great green leap. .



To find the amount of carbon that is being off put by the different forms of transportation, a carbon assessment must be conducted in three different types of scopes, said Bonny Bentzin, director of sustainable practices at ASU.

To learn more visit [Ahwatukee Foothill News](#).

New York Tops List of Most Walkable Cities

Walk Score puts list together - walk don't drive

With its dense neighborhoods, apartment complexes, public transportation, and mega-city layout, most residents of New York City don't need a car to go shopping or run daily errands. The list of most walkable cities in the U.S. is thus led by the Big Apple.

Put together by Walk Score, the website provides a walkability score on a scale of 1 to 100 (with 100 being the most walkable) for any address you type into the search field. For cities, researchers graded them block by block, with scores weighted by population density. After New York, with a score of 85.3, were the following most walkable large cities:

- San Francisco, 84.9
- Boston, 79.2
- Chicago, 74.3
- Philadelphia, 74.1
- Seattle, 73.7
- Washington, D.C., 73.2
- Miami, 72.5
- Minneapolis, 69.3
- Oakland, 68.2



Comprising the top 10 are many older cities, cities that developed before World War 2, when many people didn't have cars. This stresses the importance of urban planning in city design and the large impact it can have on people's behavior. Those on the least walkable side of the scale include newer cities, many of which are in the midwest and south.

To learn more visit [2nd Green Revolution](#)

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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View our profile on **LinkedIn**

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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.



**SEG
Current
Project:**

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

Condo / Apartment Projects

Stephan II Condominium Development, Phoenix, AZ:

Parcel acreage is approximately 2.42 acres. The proposed project include a Multifamily residence building, all associated parking; landscaping; drive isles; service areas; and other such requirements. SEG performed site engineering for the entire project based upon the processing requirement for the city. Prepared a final drainage report and drainage plan based upon the approved Site Plan. The drainage report included hydrologic and hydraulic calculations in accordance with the applicable criteria and prepared grading plan and the storm sewer system construction plans based upon the final drainage design as required. Managed and prepared a Condominium subdivision Final re-plat of the entire project based upon processing requirement for the City of Phoenix, the Maricopa County and the AZ Department of Real Estate.



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

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