

September 9, 2016

## Proposed Rule Will Require Building Higher Than 100-Year Floodplain

FEMA has proposed a rule that will require anyone using FEMA funds for new construction or to substantially improve existing structures to build two to three feet higher than the 100-year floodplain. Other agencies, including HUD, are expected to issue their own Federal Flood Risk Management Standard (FFRMS) implementation regulations in the coming months.

The FFRMS requires a higher level of flood protection for federally funded projects to protect taxpayer investment in light of climate change and increasing flood risk. All federal agencies must update their regulations and policies to implement the FFRMS.

FEMA has made it clear that the new standard does not apply to the non-grant components of the National Flood Insurance Program (NFIP), meaning it does not apply to the availability or cost of flood insurance policies. Also, the proposed rule does not have any effect on NFIP flood insurance maps.

However, post-disaster assistance for new construction or substantial improvement funded through FEMA assistance programs, including the Hazard Mitigation Grant Program and the Flood Mitigation Assistance Program, will likely be required to comply with the FFRMS and build to the higher standard. [[More](#)]

## Homes with Green Features Sell For 7.2 % More Than Those Without

Green equals green in the housing market. That according to a recent study by Redfin that reports homes with "green" features sold for \$33,894 (or 7.2%) more than other homes in 2015.

To determine that figure, Redfin analyzed real

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### ARTICLES OF INTEREST

[US Energy Dept Says "Holy Grail" of Clean Energy Storage Is Imminent](#)

[EPA Issues Final Rule on Formaldehyde Emission Standards for Composite](#)

estate listings for all the homes that sold in 2015 in 83 major metropolitan areas, then identified the homes with one or more green features and finally compared the median price of those homes (\$505,181) with the median price of all homes sold last year (\$471,287).

With record-breaking droughts and high temperatures across the country, many house hunters are looking for green amenities. [\[More\]](#)

## World's First Solar Town Developer Syd Kitson Keynotes GreenTrends Conference Oct. 20-21

**Put Your Money  
on Green!**



Kitson & Partners CEO Syd Kitson will be a keynote speaker at the upcoming sustainability and green building GreenTrends Conference "Put Your Money on Green" scheduled for October 20-21, 2016 at the Hard Rock Hotel & Casino in Hollywood, Fla.

In 2006, Kitson completed the historic purchase of Babcock Ranch in Southwest Florida, encompassing more than 91,000 acres - an area five times the size of the island of Manhattan. Over 80% of the original land purchase, some 73,000 acres within Charlotte and Lee counties, has been preserved by the State of Florida and Lee County, in the largest single land preservation agreement in the state's history.

Kitson will truly inspire attendees with his passion, vision and innovations taking place right now at Babcock Ranch - the world's first solar town.

In addition to Kitson, a variety of industry trendsetters will lead education sessions to help you think different and smarter: [\[More\]](#) [\[Register\]](#)

## Case Study in Stormwater Management Shows How to Reduce Costs

A Storm Water Solutions case study details how a well-engineered stormwater management system allowed a Walmart Supercenter in Santa Fe, New Mexico, to maximize water storage and minimize the project footprint. This allowed for additional parking and reduced the overall cost. [\[More\]](#)

[Wood Products](#)

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### Articles of Interest

[US Energy Dept Says "Holy Grail" of Clean Energy Storage Is Imminent](#)

[EPA Issues Final Rule on Formaldehyde Emission Standards for Composite Wood Products](#)

### Quick Links

[Join FGBC](#)

[GreenTrends Conference](#)

### FGBC Welcomes New Members

**Brian Bullock** (Rejoin)  
[Sustainable Logic Inc](#)  
Deerfield Beach

**Anthony Moorhead**  
[Tamlite Lighting](#)  
Port St. Lucie

**Didi Dickson**  
[Tamlite Lighting](#)  
Port St. Lucie

**Billy Rowan**  
[Tamlite Lighting](#)  
Port St. Lucie

**Edwin Hess**  
[Kitchen Art](#)  
Fort Myers

**Ario Lundy**  
Palmetto Homes of Miami  
Miami

### Education Opportunities

**October 6, 2016**  
**FGBC Certifying Agent**  
**Annual Verification Class**  
Gainesville, FL  
[\[Register\]](#)

## What is Creative Placemaking In Community Planning?

For those of you planning, designing and building transportation projects, creative placemaking is an emerging approach that every community should consider.

Great places rely on good infrastructure combined with a meaningful mix of programming, public spaces and diverse economic opportunity for the people who then inhabit and bring them to life.

Creative placemaking can help build a stronger network of support or advance a critical infrastructure project. Why? Because engaging the public in this creative way helps build trust and relationships between public agencies and residents - vital for building support for future transportation investments or plans.

By using the eight approaches below for tapping into the social networks built around arts and culture, you can earn the trust of your community. By identifying sites of cultural significance, you can be mindful and inclusive of them in planning infrastructure and redevelopment projects.

1. Identify the Community's Assets and Strengths
2. Integrate the Arts Into Design, Construction and Engineering
3. Marketing to Cultivate Ownership and Pride
4. Leveraging Cultural Districts and Corridors
5. Mobilize the Community to Achieve Your Shared Goals
6. Develop Local Leadership & Capacity
7. Organize Events and Activities
8. Incorporate Arts in Public and Advisory Meetings

[\[More\]](#)

## Survey Highlights New Sustainability Trends in Facility Management

Facilities Managers are more focused than ever on sustainable resource management. The recent report, [Facility Managers: Putting Energy & Sustainability Practices to Work](#), derived from Ecova's 2016 Energy and Sustainability Outlook

**October 18-19, 2016**  
**FGBC Certifying Agent Designation Class**  
FSEC

[\[Register\]](#)

[Energy Star Webinars](#)

[Building America Webinars](#)

[Build Your Future Scholarships](#)

### Calendar of Events

**September 11-14, 2016**  
**Florida Housing Conference**

Rosen Centre Hotel  
Orlando, FL

[\[More\]](#)

**September 14-16, 2016**  
**Annual Sustainable Florida Working on the Green Sustainability Summit**

Hyatt Pier 66  
Ft. Lauderdale, FL

[\[More\]](#)

**September 15-17, 2016**  
**FNGLA Landscape Show**

Orlando, FL

[\[More\]](#)

**September 22, 2016**  
**FGBC Region 6 Networking Event**

Donovan's Irish Pub  
St. Augustine, FL

[\[RSVP\]](#)

**September 27-29, 2016**  
**EEBA Conference**

Dallas, TX

[\[More\]](#)

**October 5-6, 2016**  
**Southeast Florida Regional Climate Leadership Summit**

West Palm Beach, FL

[\[More\]](#)

**October 5-6, 2016**  
**Power Up 2016 Building Energy Resilient Communities**

Fort Walton Beach, FL

[\[More\]](#)

**October 5-7, 2016**  
**GreenBuild**

Los Angeles, CA

[\[More\]](#)

Survey, offers insight into how Facility Managers are prioritizing energy, water, and waste efficiency initiatives.

Survey insights show that in order to make immediate impact, facility professionals are turning to trustworthy CapEx projects like LED lighting upgrades, EMS/monitoring controls, distributed energy resources (DERs), and HVAC system upgrades. Lighting upgrades have long been a strong starting point for companies beginning their journey toward sustainable operations. It's typical for energy efficient lighting upgrades to deliver 25-35 percent reductions in energy consumption, with a simple payback of two to three years. [\[More\]](#) [\[Report\]](#) [\[Infographic\]](#)

### Floating Solar: A Win-Win For Drought Stricken Areas

Multi-year droughts and chronic overuse can take a toll on water supplies, but vast quantities of water are also lost to evaporation. What if the same scorching sun that causes so much of this water loss was harnessed for electric power?

Floating solar panel arrays are increasingly being deployed where they could produce clean energy and prevent evaporation in major man-made reservoirs.

Hovering just above sun-shaded water, the floating photovoltaic panels would operate at cooler temperatures than solar arrays on desert land or perhaps rooftops- a key factor in improving the productivity of semiconductors, including PV cells. One project proponent expects a 50 percent boost in electricity per watt of installed power from her company's planned solar arrays at a sun-saturated sewage treatment pond in Jamestown, South Australia. [\[More\]](#)

### Dismissed Lawsuit Over Drought-Tolerant Yard Gives No Answers for Legal Precedent

A west Orange County resident was sued by a homeowner association in 2012 for planting drought-tolerant landscaping in a neighborhood dominated by lush, grassy lawns. The case was widely watched in Florida for legal precedent. The suit has ended in a secret settlement, disappointing

**October 17-19, 2016**  
**CREF 2016**  
**InterContinental Hotel**  
Miami, FL  
[\[More\]](#)  
(FGBC 15% Discount Code - CREF2016-FGBC)

**October 19-21, 2016**  
**GreenTrends Conference**  
Seminole Hard Rock  
Hotel & Casino  
Hollywood, FL  
[\[More\]](#)

**October 29, 2016**  
**USGBC-South Florida Gala Verde**  
West Palm Beach, FL  
[\[More\]](#)

**November 3-5, 2016**  
**FHBA Fall Leadership Conference**  
Hilton Sandestin Beach Golf  
Resort & Spa  
Miramar Beach, FL  
[\[More\]](#)

#### Certification News

**Homes**  
Registered: 13,548  
Certified: 13,445

**Commercial**  
Registered: 45  
Certified: 15

**High Rise**  
Registered: 54  
Certified: 17

**Land Developments**  
Registered: 62  
Certified: 13

**Local Government**  
Registered: 86  
Certified: 62

#### Recent Certifications

**Icon Bay**  
Location: Miami  
Type: High-Rise  
Certified: 8/15/16  
Score: 55  
Level: N/A

**Dwell at Nona Place**  
Location: Orlando  
Type: High-Rise  
Certified: 7/14/16

those hoping for an environmentally favorable precedent.

At issue was a 2009 state law crafted to protect Florida aquifer, river and lake waters from overuse and pollution by promoting use of turf and plants that don't need irrigation and chemicals. The law also declares residents who pursue environmentally friendly yards are shielded from homeowner association demands for more conventional lawns.

Renee Parker, who works as a program supervisor at Orange County's Environmental Protection Division, had planted flowers, shrubs and Argentine Bahia grass that allowed her to eliminate most water and fertilizer costs. [\[More\]](#)

## TECHNOLOGY UPDATE:

### Smart Bricks Will Enable Walls to Generate Electricity, Clean Water and Oxygen

A lot of things are becoming "smart" these days, but bricks might not be something you'd expect to be added to the list. On the way to buildings that act like "large-scale living organisms," scientists at the University of the West of England (UWE Bristol) are developing smart bricks that would make use of microbes to recycle wastewater, generate electricity and produce oxygen.

The researchers say the "living engines" of these walls will be able to sense the environment both outside and inside the building - including its human occupants - and react accordingly. Depending on how they're "programmed," these bioreactor walls will be able to take in inputs such as grey water, carbon dioxide, sunlight, algae, bacteria and nutrients, and in turn produce resources like "polished" water, oxygen, electricity, heat, biodegradable detergents, biomass, and biofluorescence. [\[More\]](#)

### Lake Nona Opening Doors to Healthy Smart Home

Lake Nona is unveiling a smart home highlighting innovations designed to improve health and well-being -- from a vitamin C shower to under-counter lighting that disinfect counter tops.

The 6,000-square-foot triplex, named WHIT for Wellness, Health, Innovation and Technology, has been two years in the making. It is one of the few smart model homes in the nation to solely focus on displaying and testing health-related technology.

Score: 162  
Level: Gold

#### Orange County

Location: Orange County  
Type: Local Government  
Certified: 6/30/16  
Score: 59.1  
Level: Gold

#### Recent Registrations:

##### Miami Center 747

Location: Miami  
Type: High-Rise  
Size: 329,000 s.f.

##### Wynwood 25

Location: Miami  
Type: High-Rise  
Size: 456,316 s.f.

#### FGBC Committee Meetings

##### Board of Directors

2nd Wednesday  
Monthly  
3 p.m.

##### Commercial

1st Tuesday  
Monthly  
2 p.m.

##### Education

1st Thursday  
Monthly  
3 p.m.

##### GreenTrends

1st Tuesday  
Monthly  
4 p.m.

##### High-Rise

3rd Tuesday  
Monthly  
11 a.m.

##### Homes

2nd Tuesday  
Monthly  
2 p.m.

##### Land Development

4th Wednesday  
Monthly  
2 p.m.

##### Local Government

3rd Thursday  
Monthly  
10:30 a.m.

##### Membership (New)

3rd Wednesday  
Monthly

Some of the products include cork floors, air filtration and water purification systems, a vitamin C shower, variable lighting that helps with the circadian rhythm, an alarm clock that mimics sunrise, aromatherapy, a pedal desk, and iPads that provide access to Nemours CareConnect and adult telemedicine.

GE Appliances has an interactive kitchen island that helps consumers select healthier menus, follow cooking videos or check out the weather and pollen count while planning their day.

In the kitchen, across from the island, sits the prototype for an indoor herb garden, and under the cabinets a blue hue emanates to disinfect the counter-top. Again, a prototype. [\[More\]](#)

## New 'Twisting' Building Designs May Have Sustainability Benefits

In the last decade, the most unique, innovative, and lauded skyscrapers have had one thing in common: a twist. Not a metaphorical one, but a literal twist where the design of the building has some element that appears to twist.



Supposedly a mix of complex computing power, trend cycles, and sustainability have been driving this new design, claims a new study from the Chicago-based Council on Tall Buildings and Urban Habitat (CTBUH).

The CTBUH [lists all 28](#) of the twisting towers built or under construction, but says that there are still more that have just been proposed-meaning this is a trend that will be around for a while. Key to its staying power will be its emergence with another construction trend: green building. If the twist reduces energy consumed in the building, by reducing solar heat gain with placement of the windows as it does in some buildings, for example, that will be a primary thing. [\[More\]](#)

3 p.m.

**Programs & Promotions**  
3rd Tuesday  
Monthly  
3 p.m.

### Funding Opportunities

[St. Johns River WMD Water Programs](#)

[South Florida WMD Water Programs](#)

[Southwest Florida WMD Water Programs](#)

[FHFC Multifamily Energy Retrofit Program \(MERP\)](#)

### Job Opportunities

[APA Florida Job Board](#)

[Green Dream Jobs](#)

[Florida Facility Managers Assn Job Board](#)

## Smart Growth Offering TOD Tech Help to Municipalities

The Federal Transit Administration in partnership with Smart Growth America offers free technical assistance to communities to develop tools, guidance, and other resources for enhancing transit-oriented development within transit corridors or around a public transportation station, and in economically distressed communities.

The second round of free technical assistance is now open. Requests may be submitted until Friday, October 7, 2016 at 5:00 p.m. EDT. Any unit or subdivision of state, regional, local, or tribal governments with an active federally funded transit capital project are eligible to apply. [[More](#)]

To learn more about applying for TOD Technical Assistance program, register for the free webinar on Wednesday, September 7, 2016 from 1-2 p.m. EDT. [[Webinar](#)]

### MEMBER SPOTLIGHT:



Tamlite Lighting is more than just another lighting supplier; we are an American manufacturing company on a mission to create jobs, enrich our communities, and produce the highest quality products on the market. With nearly 50 years of lighting experience throughout the history of the company and over 20 in America alone, Tamlite has a well-established repertoire in providing an extensive line of lighting products, including the latest LED technologies. Every year we are building on our existing capabilities to provide our customer with flexible solutions to meet their exact needs. Allow us the opportunity to be part of your business and let's grow together.

<http://www.tamliteusa.com>