

# The Masonry Society

## Sustainability E-News

What's Next for LEED?

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### SPONSORED EDITION

#### From The Editor

I don't hear as much about LEED anymore - the focus seems to have shifted to resilience, which in my opinion is an essential aspect of true sustainability. However just this month there is news about the future of LEED and talk of the next version. With the bumpy start of LEED v 4.0, it seems we have only just been getting used to LEED v4.1, but USGBC already focused on what the next version of LEED will look like (as you can read in the articles included in this edition). With LEED 2009 officially ended as of this month, this seems appropriate. Have you been involved in any LEED v4.1 projects yet?

Christine "Tina" Subasic, PE, LEED AP  
CSubasicPE@gmail.com

*NOTE: Inclusion in this newsletter is not an endorsement of the products and materials featured, nor have these products been evaluated by TMS or the editor. Furthermore, the views expressed in the articles featured are those of the article authors.*

#### GREEN BUILDING NEWS

The first article below is about a project we shared previously, but this link includes notable details on how it was designed including a brick veneer. ~Tina

#### **This office building was designed to last 500 years**

##### **FAST COMPANY**

[This](#) 5-story, 58,000-square-foot mixed-use commercial building was specifically designed to last 500 years—with a super strong structure, resilient design, and a suite of on-site infrastructures that will allow it to make its own power, harvest its own water, and adapt to huge swings in the climate for centuries to come. ... [L]ongevity-focused design solutions include a building façade made of durable masonry and windows and insulation designed to enable the building to withstand extreme weather fluctuations in the coming decades and centuries.

#### **Better solutions seen for masonry arch bridges**

##### **NEW CIVIL ENGINEER**

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Infilling of masonry arch bridges is a "very crude engineering solution" and unnecessary, according to University of Sheffield Integrated Civil and Infrastructure Research Centre Director Matthew Gilbert. Noting that these bridges account for nearly half the spans in the UK, Gilbert said they should be a core engineering education topic, noting as well that new "masonry arch bridges are a very attractive option, particularly if you can source the stone locally because you have a very low carbon solution in comparison to concrete." [Read more.](#)

## CODES and STANDARDS NEWS

Generally it's not a matter of not knowing *how* to build more resiliently - it's a matter of actually doing it. Without federal or state building code requirements in place, it's unlikely that large scale changes will occur.  
~Tina

### Federal standards are needed to rebuild homes with climate resiliency

#### GRIST

When disasters strike, they leave homes destroyed and lives shattered in their wake. While architects and engineers know how to build resilient structures, the lack of developer or resident demand limits their ability to deliver it. Absent minimum, consistent federal standards, most federally supported housing will be built without the benefit of the latest hazard resistant requirements according to [this article](#).

### White House implements enhanced efficiency and resiliency code initiative

#### INSURANCE JOURNAL

The White House has introduced the National Initiative to Advance Building Codes to help governments adopt current building codes and standards to ensure resilience against extreme weather events. The announcement comes on the heels of a recent forecast from the National Oceanic and Atmospheric Administration that the Atlantic could see an above-average hurricane season. [Read more.](#)

### What's next for LEED? Climate and equity will be central

#### BUILDING GREEN

The future of LEED? USGBC officials took the stage at a recent event to introduce what LEED is going to look like in the near future. Learn more in [this report](#).

### Read the new "Future of LEED" principles

#### USGBC

USGBC has developed a [set of principles](#) that are the result of deep and meaningful conversations with the LEED community over the past several months. They represent what was heard from volunteers, members, stakeholders, and many others who are connected through the green building movement, and will be used to set goals for the next version of LEED.

### HPDC announces the full implementation of HPD Open Standard Version 2.3

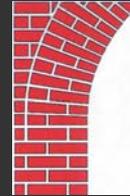
#### HPD COLLABORATIVE

Back in May, HPDC released the HPD Open Standard Version 2.3. Now the corresponding HPD Builder 2.3 tool is ready for release. From July 11 forward, all newly published HPDs will be with Version 2.3. Read more [here](#).

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## **GREEN PRODUCT NEWS**

### **Low-carbon concrete requirements OK'd in Portland, Oregon**

**KPTV-TV** (Portland, OR)

Engineers in Portland, Oregon have approved new requirements for lower-carbon concrete mixes that are expected to yield up to 35% fewer greenhouse gas emissions than conventional concrete mixes. All city construction projects will have to meet the embodied carbon requirements for concrete. Read more [here](#).

### **Cement made from microalgae**

**ARCHINECT**

Prometheus Materials is working on a microalgae-based alternative to Portland cement and commercial-grade masonry blocks. "By working with nature to use existing microalgae to bind minerals and other materials together to create new types of sustainable building materials, we can eliminate most, if not all, of the carbon emissions associated with traditional concrete-based building materials," said Wil Srubar III, co-founder and chief technology advisor of Prometheus Materials, in [this article](#).

## **EDUCATIONAL NEWS**

### **Check out the TMS Masonry Education Hub**

**THE MASONRY SOCIETY**

Did you know that The Masonry Society (TMS) provides on-demand learning? Check out the [Masonry Education Hub](#), a Learning Management System that provides a central location for excellent and accessible training sessions on a variety of masonry topics from sustainability to strength design and more.

### **Call for Abstracts for 14<sup>th</sup> North American Masonry Conference**

**THE MASONRY SOCIETY**

Papers are invited for the 14th North American Masonry Conference (NAMC), which will be held from June 2023, in the heart of historic Old Market in Omaha, Nebraska. The conference is being jointly hosted by the Durham School of Architectural Engineering and Construction at the University of Nebraska-Lincoln (UNL) and the Nebraska Masonry Alliance (NMA), and is offered by the Masonry Society (TMS) with the support of a number of Sponsors. The conference provides a forum for sharing the latest advances in masonry knowledge and applications from around the world. Papers are sought on a wide variety of masonry topics. For more information, visit [masonrysociety.org/14namc](http://masonrysociety.org/14namc).

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