

The Masonry Society

Sustainability E-News

Envisioning the Future

May 31, 2024

Volume 16, Number 10

SPONSORED EDITION

From The Editor

Recently ASTM's monthly magazine featured resilience as its focus. The articles included one entitled [*What is resilience and why does it matter?*](#), that talked about how resilient systems can strengthen our response to natural disasters, fires, and more. The same issue also included an [*interview with the chair of ASTM E60 Committee on Sustainability*](#), Amy Costello. Costello broke down the concept of sustainability and how standards relate to this important topic. She also explained how E60 is approaching key questions in sustainability and what the future of sustainability might entail. It is notable that the E60 Committee recently added resilience to [*its scope*](#) and has several standards (published and under development) that relate to resilience.

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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

What does the future look like? Read on to see what some envision.
~Tina

FEMA releases climate adaptation planning guidance ICC NEWS

FEMA's new [*Climate Adaption Planning Guide For Emergency Managers*](#) seeks to address the evolving hazard landscape due to the increasing impacts of climate change and provide emergency managers with solutions to plan differently when assessing disaster risk and community resilience. Building codes are highlighted throughout the guide as an integral pillar of climate adaptation planning and pre-hazard mitigation. [Read more.](#)

You can read a [related article](#) on FEMA's policy on resilience from *Building Enclosure Online*.

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What does the future of building decarbonization look like in 20 years, and how will it be different from today?

ASHRAE

ASHRAE has been releasing a video series that addresses carbon emissions in the building sector and highlights ASHRAE's efforts to find a solution. The fifth installment of the series features ASHRAE treasurer Bill McQuade, ASHRAE member Charles Eley, and ASHRAE member/NBI senior climate advisor, Jim Edelson. They discuss future pathways for building decarbonization and examine the potential of building materials and all-electric equipment that use renewable energy and battery storage to promote cleaner grids and low-carbon or carbon-neutral buildings. Their prediction is that the future of buildings and building policy will evolve significantly. [Watch now.](#)

CODES and STANDARDS NEWS

Recent research indicates it is possible to design for tornadoes, and, in fact, ASCE/SEI 7 (the structural load standard) now includes loads for tornadoes as part of its wind design provisions. Utilizing masonry construction has long been recognized as a smart strategy for storm shelter design. ~Tina

Resiliency against tornadoes now possible

NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (NIST)

The fierce winds of tornadoes were long thought to be too powerful for any building to withstand, but that thinking is changing. A new section in the latest version of the International Building Code addresses tornado resiliency by drawing on the pioneering work of NIST researchers Long Phan and Marc Levitan, who discuss their work in this interview that you can [read here](#).

Preparing for LEED v5

BUILDING ENCLOSURE ONLINE

USGBC recently announced the opening of the first public comment period for its draft rating system, LEED v5. This is just another step toward providing a comprehensive framework for creating sustainable, and resilient built environments. Laurie Kerr, Principal Climate Advisor for USGBC, talks to *Building Enclosure Online* about LEED v5 and what this milestone means for our industry in [this podcast](#). [Editor's note: Minute 12:10 of the recording focuses in on the building envelope and how USGBC sees LEED making an impact.]

GREEN PRODUCTS NEWS

Embodied carbon of building products is certainly an important consideration, but it is important to consider products over their entire lifespan, not only the initial carbon impacts. Choosing durable, low-maintenance products for enclosures can reduce the embodied carbon over a building's life by avoiding replacements and maintenance impacts. On a related note, the use of natural stone as a structural material is not new per se, but is not as simple as the creators of the demonstration project highlighted below might imply. ~Tina

Embodied carbon impact of enclosure materials

BUILDING ENCLOSURE ONLINE

While a more significant portion of embodied carbon comes from a building's structure, enclosure materials do influence embodied

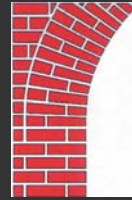
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carbon goals. This means that selecting and designing for low-carbon enclosure materials is important for reducing the overall embodied carbon impact of the building. [Read now.](#)

Bricks made from stone achieve emission savings
DEZEEN

Portland stone (not be confused with Portland cement) is the material source for bricks created by architecture studio Artefact with a claimed 75% reduction in greenhouse gas emissions by comparison with production of fired clay fired brick. The process achieves major energy savings by eliminating the need for any firing because the bricks are, in fact, cut from stone. They have been used to construct a [temporary open-air shelter](#) on a city sidewalk as a demonstration project.

SCS Standards updates guidelines on recycled content
WASTE ADVANTAGE MAGAZINE

SCS Standards, a nonprofit organization devoted to the development of recycling standards, recently published the latest version of its certification on both pre- and post-consumer recycled content. The updated guidance includes the option for a mass balance chain-of-custody system; the inclusion of chemically recycled content; the requirement that a product contain at least 5% recycled content to be eligible for certification; and recognition of certain external certifications. Read [the article](#).

NEx call for ideas for project funding in 2025
NEx

NEx opens the opportunity to submit project ideas and problem statements for funding in 2025. As an independent subsidiary of the American Concrete Institute, NEx seeks to expand and accelerate the use of nonmetallics in the built environment and to drive innovation, research, education, awareness, adoption, and deployment of them. The idea proposals should align with at least one of the NEx core functions and scope: Standards & Guidelines, Research & Development, Technical Advocacy & Awareness, and Professional Development. [Click](#) to download and complete the fillable submission form.

EDUCATIONAL NEWS

TMS Annual Meeting - Join us in Portland, Maine!
THE MASONRY SOCIETY

Preparations are underway for an enjoyable and productive 2024 Annual Meeting from October 16-19, 2024. From business meetings to educational sessions to special events, it's an event not to be missed. Mark your calendar, and [check the website](#) for more information throughout the summer.

PCA Sustainability Summit announced
PORTLAND CEMENT ASSOCIATION (PCA)

Save the date! The second annual [PCA Sustainability Summit](#) will take place daily from August 13 to 15, 10:00 a.m. to 12:00 p.m. CDT, virtually. Join PCA as they delve into key levers toward net zero:

- Alternative Fuels,
- Carbon Capture Utilization and Storage (CCUS), and
- Blended Cements.

Attendees will also gain invaluable insights on developments within each portion of the value chain, including initiatives from the

Bronze Level



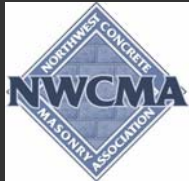
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concrete and construction industry, as outlined in the PCA *Roadmap to Carbon Neutrality*.

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