

The Masonry Society

Sustainability E-News

Net Zero Buildings

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SPONSORED EDITION

From the Editor

As I write this, Hurricane Florence is making its way to the coast of North Carolina. As a major hurricane, my family is taking steps to prepare for the wind and rain that will come. How is your community and your business preparing for the natural disasters that seem to be more and more frequent and devastating each year? Disaster preparedness is at the heart of resiliency. We have the knowledge and means to build resilient buildings that are robust enough to weather the storms and operate efficiently during times of calm. Interested in learning more about resilient building design? Check out the resources from NIST in the article below and [this article](#) from *SMART dynamics of masonry* written by TMS member David Biggs.

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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

The conversation on resiliency continues, with a recent report from the National Institute of Standards and Technology on steps to increase the resiliency of buildings. Read more in the link below. ~Tina

NIST Names Steps For Post-Disaster Resiliency Measures

CONSTRUCTION DIVE

In a [report to Congress](#), the National Institute of Standards and Technology (NIST), a division of the U.S. Department of Commerce, has outlined the steps necessary to increase building functionality after natural disasters so that post-event impact to communities - both residential and commercial - will not be as severe. The report outlines some of the obstacles to buildings more functionally resilient after a natural disaster. Efforts to increase resiliency have been shown to provide savings on disaster mitigation. Read more about the program [here](#).

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Click on the links below to learn more about each of these organizations who have graciously sponsored this E-Newsletter. The Sponsors designated with an Asterisk(*) are also TMS Members at the following levels:

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Cities Agree to Make New Buildings Net-Zero-Carbon by 2030

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Nineteen mayors in the global C40 coalition have agreed to make new buildings in their cities net-zero-carbon by 2030 and for all total buildings, regardless of age, to become net-zero-carbon by 2050. The coalition's pledge follows similar agreements in recent years focused on emissions-free streets and cleaner buses. [Read more.](#)

California Approves Goal for 100% Carbon-Free Electricity by 2045

SACRAMENTO BEE

Ahead of a summit this week meant to galvanize regional action on climate change, Gov. Jerry Brown on Monday signed legislation that would put California on the path to eliminating fossil fuels from its energy sector. Senate Bill 100 speeds up the state's timeline for moving to renewable energy sources like solar and wind, and requires that all retail electricity be carbon-free by 2045. California is the second state to adopt such a goal, after Hawaii. Read more [here](#).

GREEN PRODUCT NEWS

A few months ago we included an [article](#) about a company replacing all the cement in concrete with slag. The article below features another use for this by-product of steel making as part of a permeable paving system. ~Tina

City Creating a 'Green Alley' With a New Stormwater Filter Material

JOURNAL SENTINEL

The city of Cudahy, Wisconsin is removing old and broken concrete and replacing it with porous pavers and a special underground filtration system using blast furnace slag as a filter. [Read more.](#)

GREEN BUSINESS NEWS

Whether you're a large manufacturer or a small consulting office, the articles featured this month include something for you! One of the uniting features of sustainability is that the goals, metrics and strategies can be applied to any type or size of business. ~Tina

Illinois Cement Uses Energy-Generating System for Eco-Friendly Benefits

WORLD CEMENT MAGAZINE (UK)

Illinois Cement Co. has outfitted a remote conveyor with Martin Engineering's Martin Roll Gen System, which creates enough energy through the moving belt to operate the cement company's equipment for mitigating fugitive dust and spillage. It's being used in an area that doesn't have convenient electricity and is seen as a step toward more sustainable cement production and energy conservation. [Read more.](#)

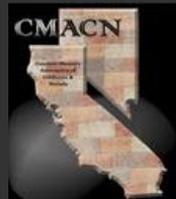
Commentary: Medium and Small Businesses Can Implement SDGs

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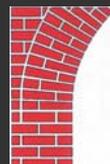
Large corporations are implementing the UN's Sustainable Development Goals (SDGs), but smaller companies have been slower to adopt. About \$12 trillion in market opportunities and 380 million jobs will be created if

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Western States Clay Products Association

Gold Level





Masonry Institute of America

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Bronze Level

the sustainability goals are achieved by the UN's deadline of 2030, Mary Mazzoni writes in [this article](#).

Walmart Aims to Achieve Zero Waste by 2025

ENVIRONMENTAL LEADER

Having diverted 78% of its global waste from landfills in 2017, Walmart plans to reach zero waste in its operations in the US, UK, Canada and Japan by 2025. According to [this piece](#), its sustainability reports notes that Walmart will donate, recycle and refurbish food and other goods as part of its efforts to attain zero waste.

Sustainability Label Needn't Be Out of Reach

BUSINESS NEWS DAILY

A certification that a small business is operating sustainably can be a valuable draw for consumers, but achieving certification can be a costly, lengthy process. There are alternatives, however, writes Carlyann Edwards in [this article](#).

EDUCATIONAL NEWS

It's not too late to register for The Masonry Society's Annual Meeting in Cleveland! Join us for masonry education and meetings including a presentation on *The Changing Landscape of Green Codes and Standards*, the Sustainability Committee meeting and the TMS 402 Code meetings.
~Tina

TMS Annual Meeting - October 3 - 6th in Cleveland

MASONRYSOCIETY.ORG

The Masonry Society's Annual Meeting is rapidly approaching, and attendees are reminded to register soon and get your hotel booked as space is filling up quickly. For more information on the schedule, educational opportunities, registration and more, [click here](#).

TMS Webinar Fall Series Begins October 11th

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The Masonry Society's 2018/2019 2nd-Thursday-of-the-Month Webinar Series are easy ways to learn more about various masonry topics while earning 1 hour of continuing education. Topics include:

- October 11, 2018 - Specifying the Right Mortar and Grout for your Projects, Jamie Farny, Portland Cement Association
- November 8, 2018 - Design of Movement and Control Joints for Masonry, Sam Rubenzer, FORSE Consulting
- December 13, 2018 - Masonry Façade Inspections - Best Practices and Tips, Pamela Jergenson, INSPEC and Michael Schuller, Atkinson-Noland & Associates
- January 10, 2019 - Rational Design of Masonry Veneers & Shelf Angle Supports, W. Mark McGinley, University of Louisville

Webinars will begin at 1 pm ET. For more information and to register for these seminars, visit the [TMS website](#).

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