



Latest edition of PCA's *Design and Control of Concrete Mixtures* now available

The Portland Cement Association recently updated *Design and Control of Concrete Mixtures*. The 17th edition is a guide for engineers, contractors, producers, instructors, and students and reflects the latest advances in concrete technology and highlights concrete's contribution to sustainability.

This latest edition of the publication provides guidance on all aspects of concrete technology, from the selection of suitable materials to designing and proportioning a concrete mixture, and includes two new chapters on imperfections in concrete and innovations in concrete technology. It also takes into account the latest guidance on standards, specifications, and test methods of ASTM International, the American Association of State Highway and Transportation Officials, and the American Concrete Institute.

—Portland Cement Association

PCA releases Roadmap to Carbon Neutrality

The Portland Cement Association (PCA) has released its *Roadmap to Carbon Neutrality*, a journey to carbon neutrality across the cement and concrete value chain by 2050. The guide details ways that the U.S. cement and concrete industry, along with its entire value chain, can address climate change, decrease greenhouse gases, and eliminate barriers that are restricting environmental progress.

PCA's *Roadmap to Carbon Neutrality* outlines a portfolio of reduction strategies and immediate opportunities across the various phases of the built environment: production at the cement plant, construction (including designing and building), and everyday infrastructure. Across this full cement-concrete-construction value chain, PCA recognizes five main areas of opportunity: clinker, cement, concrete, construction, and carbonation (using concrete as a carbon sink). Each phase of the value chain is integral to reaching the goal and can unlock unique and specific pathways to carbon neutrality, including actions such as reducing carbon dioxide from the manufacturing process, decreasing combustion emissions by changing fuel sources, and shifting toward increased use of renewable electricity.

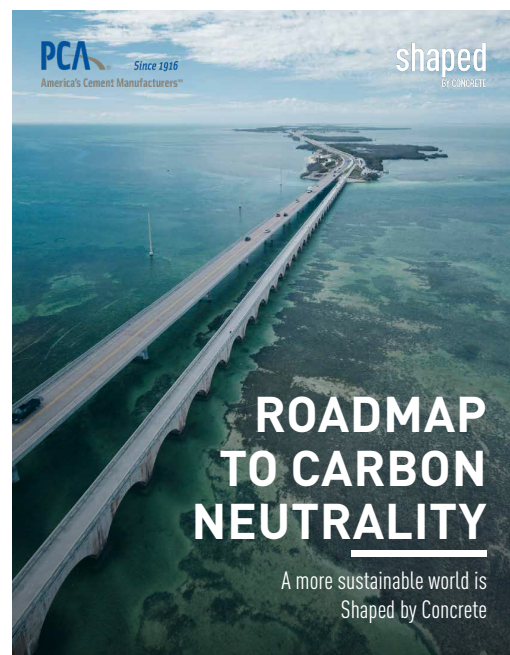
"PCA is actively engaging with organizations beyond the industry to bring the right people to the table to accelerate and advance solutions to reach carbon neutrality," says Massimo Toso, PCA Climate and Sustainability Council co-chair and president and CEO of Buzzi Unicem USA. "Our roadmap is an open-source, collaborative effort and includes stakeholders directly involved in the value chain as well as those not directly involved in the value chain."

"Achieving carbon neutrality across the entire value chain by 2050 will require industry development of an entirely new set of metrics, means, and methods to track the industry's road map progress," says Eric Holard, PCA Climate and Sustainability Council co-chair and U.S. CEO of National Cement Co. "Once we have established effective measurement, PCA companies are committed to transparently demonstrating progress."

In addition, cement and concrete companies worldwide have committed to achieve carbon neutrality across the value chain by 2050. Addressing climate change is a global task, but each country presents specific opportunities and challenges, and the PCA *Roadmap to Carbon Neutrality* presents a plan for the U.S. cement and concrete industry. PCA is aligned with the Global Cement and Concrete Association's 2050 Net Zero Roadmap.

For more information, visit <https://www.cement.org/sustainability/roadmap-to-carbon-neutrality>.

—Portland Cement Association



INDUSTRY CALENDAR

Event details are subject to change.

2022 AASHTO Washington Briefing Washington, D.C.	March 1-4, 2022
ASCE GEO-Congress 2022 Charlotte, N.C.	March 20-23, 2022
TRB International Data Science for Pavements Symposium McLean, Va.	March 22-24, 2022
ACI Concrete Convention Caribe Royale Orlando, Orlando, Fla.	March 27-31, 2022
International Conference on Accelerated Pavement Testing The Université Gustave Eiffel, Nantes, France	April 3-6, 2022
ASCE Structures Congress 2022 Hyatt Regency Atlanta, Atlanta, Ga.	April 20-23, 2022
PTI 2022 Convention Hilton La Jolla Torrey Pines, La Jolla, Calif.	April 23-27, 2022
2022 AASHTO Spring Meeting New Orleans, La.	May 9-12, 2022
2022 fib International Congress Oslo, Norway	June 12-16, 2022
fib and RILEM Bond in Concrete 2022 5th International Conference Stuttgart, Germany	July 25-27, 2022
PTI 2022 Committee Days Cancun, Mexico	October 4-7, 2022
ACI Concrete Convention Hyatt Regency Dallas, Dallas, Tex.	October 23-27, 2022
Greenbuild Moscone Center, San Francisco, Calif.	November 1-3, 2022
ACI Concrete Convention Hilton San Francisco Union Square, San Francisco, Calif.	April 2-6, 2023
PTI Convention Miami, Fla.	April 28-May 4, 2023
BEI-2023 "Sustainability in Bridge Engineering" National University of Singapore, Singapore	Summer 2023
PTI 2023 Committee Days Cancun, Mexico	October 3-6, 2023
ACI Concrete Convention Boston Convention Center and Westin Boston Waterfront, Boston, Mass.	October 29-November 2, 2023
ACI Concrete Convention Hyatt Regency New Orleans, New Orleans, La.	March 24-28, 2024
PTI Convention Indianapolis, Ind.	April 14-17, 2024
PTI 2024 Committee Days Cancun, Mexico	October 1-4, 2024
ACI Concrete Convention Marriott Philadelphia Downtown, Philadelphia, Pa.	November 3-7, 2024