

ALTERNATIVE FUELS

A key lever that will facilitate the cement industry's efforts to reach carbon neutrality by 2050 if not sooner is increasing the use of alternative fuels in the cement manufacturing process.

What is an alternative fuel?

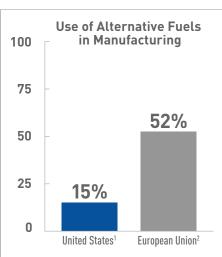
Energy sources that can be used to supplement traditional fuels like coal. Examples include tires, plastics, fabrics, fibers, agricultural waste, that might otherwise go to a landfill.

Are these materials safe to put in kilns?

Yes! Cement manufacturers have a long history of safely using alternative fuels. Cement plants must adhere to stringent emissions limits and implement state-of-the-art emissions control technologies.



CO₂ reductions in the U.S. could be higher if Congress modernizes federal environmental policies.



Sources: (1) PCA Market Intelligence (2) Cembureau

ALTERNATIVE FUELS...

Are sustainable.

Alternative fuels can be substituted for coal and petroleum coke, reducing pollution from fossil fuel production and lowering net greenhouse gas reductions, and while also resulting in fewer criteria air pollutants.

Divert materials from landfills.

Using discarded materials like old tires in cement manufacturing is better for the environment than dumping them in landfills, where they likely emit methane gas over time. Using these fuels helps address waste that is difficult to manage and reduces the consumption of traditional fuels, therefore reducing net greenhouse gas emissions.

Add value to the local economy.

When plants consume materials destined for landfills, they foster a circular economy creating jobs as the materials are processed, sorted, prepared, and transported.

For more information on alternative fuels and other issues important to the cement industry, visit www.cement.org/2024issues or contact Sean O'Neill at soneill@cement.org.

Founded in 1916, the Portland Cement Association (PCA) is the premier policy, research, education, and market intelligence organization serving America's cement manufacturers. PCA supports sustainability, innovation, and safety while fostering continuous improvement in cement manufacturing, distribution, infrastructure, and economic growth.