# Pantheon Electric Achieves 33% Recycled Copper To Offset Demand As AI and Electrification Projects Compete for Supply

*The milestone caps a multiyear push toward circular manufacturing, turning 100M pounds of scrap into product to protect customers against market volatility*

STAMFORD, CT, UNITED STATES, October 1, 2026 /EINPresswire.com/ -- Rising energy demand has a copper problem and Pantheon Electric is solving it through a sustainable supply chain. The company has achieved its goal of 33% recycled feedstock company wide as AI infrastructure and electrification projects put a strain on raw copper supply. Anchored by its facility in Leetsdale, Pennsylvania, which produces 100% of its components with recycled copper, this sustainable approach further secures supply for the 2,500 companies that depend on Pantheon Electric, while protecting them from market volatility. It also gives them access to copper that meets the American Society for Testing and Materials (ASTM) and electrical performance standards, without the environmental footprint or supply exposure.

While copper is critical to powering the country's growing wave of electrification projects, turning raw copper ore into finished metal is itself one of the most energy-intensive steps in metal production. And relying on new raw supply alone leaves companies at the mercy of a supply chain that is already facing a projected 10 million metric ton shortfall. To offset companies' vulnerability to a finite supply of copper, and offset impact on a grid that's already stretched thin, Pantheon Electric has created an alternative path through recycled feedstock, which now accounts for a third of their overall supply.

Recycled copper requires 85% less energy than primary production and significantly reduces the associated carbon emissions. The company's facility in Leetsdale, Pennsylvania is home to the world's largest reverberatory furnace, where every busbar, strip, sheet and plate created is manufactured entirely from recycled copper. The reverberatory furnace strips out impurities as scrap melts, allowing the mill to process lower-grade scrap a conventional furnace couldn't handle without prior refining. The slag is sent off-site, where the remaining copper is recovered and the impurities are turned into revenue rather than waste.

Drawing from multiple sources, including copper waste from the company's own factory floors, Pantheon Electric's Leetsdale mill now turns more than 100 million pounds of copper scrap into highly conductive products annually. This shift towards circular manufacturing not only ensures no copper goes to waste, it also gives customers a domestic material source, reducing reliance

on China who has historically controlled up to 50% of the world’s copper refinement.

"Companies shouldn't have to choose between sustainability and performance," said Gregory J. Smith, CEO of Pantheon Electric. "Historically, recycled material has been treated as a fallback, something manufacturers turn to when mined supply gets tight rather than something they build a business around. That mindset is what leaves companies exposed as mining and the power grid struggle to keep pace with demand. The manufacturers who invest in circular supply are the ones who will still be delivering material five years from now."

Pantheon Electric's model gives customers a lower carbon option and is focused on minimizing the company’s environmental footprint as well as driving responsible sourcing and supply chain transparency. The company is continuing to expand this capacity across its North American and European operations.

About Pantheon Electric
Pantheon Electric is an integrated electrical infrastructure platform and the largest independent U.S. manufacturer of copper conductors and busbars. Its conductive components move power through AI data centers, the electric grid and domestic factories. The company operates 21 manufacturing facilities across North America and Europe, with a combined capacity of hundreds of millions of pounds of copper wire a year. Backed by Olympus Partners, Pantheon Electric brings together leading manufacturers on a single integrated platform, converting copper rod and scrap into finished conductors, busbars and fabricated components. Its customers include Schneider Electric, Eaton and Prysmian Group. Its nearest independent U.S. conductor competitor is about a quarter its size. Learn more at pantheonelectric.com.

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