



FOR IMMEDIATE RELEASE

CWC and PMMI Collaborate To Sponsor Life Cycle Assessment Framework

Two-year, ISO-aligned initiative will deliver a site-specific LCA template to help municipalities and waste operators consistently measure greenhouse gas emissions, material recovery, and circular product outputs from landfill- and incinerator-based RRG systems.

Key Largo, Florida; Jan. 7, 2026 — The Consortium for Waste Circularity (CWC) and PMMI, The Association for Packaging and Processing Technologies, today announced their sponsorship of a University of Florida–led research initiative to develop a standardized Life Cycle Assessment (LCA) framework for evaluating the environmental performance of Regenerative Robust Gasification (RRG) at landfills and incinerators.

The two-year research and development effort is led by Dr. Bruce Welt, professor of Packaging Engineering, and Dr. Ziyet Boz, assistant professor Circular Foods and Packaging Systems at the University of Florida. The research is focused on creating a rigorous, ISO-aligned, site-specific LCA template. Once completed, the framework will enable municipalities and landfill operators to quantify greenhouse gas emissions, material recovery, and circular product outputs using a consistent, science-based methodology.

By providing a standardized approach to environmental impact assessment, the LCA template will support data-driven infrastructure planning, permitting, and policy decisions, while improving transparency and comparability across landfill-based and incineration waste management strategies.

“This Life Cycle Assessment framework provides the scientific foundation needed to assess Regenerative Robust Gasification at scale,” says Mike Ferrari, president of CWC. “This structured template enables municipal projects to easily apply LCA methods using local data.”

“Standardization is essential to making meaningful progress on circularity,” said Jim Pittas, president and CEO of PMMI. “This ISO-aligned Life Cycle Assessment framework will help communities evaluate Regenerative Robust Gasification using consistent, science-based metrics—supporting more informed infrastructure planning, permitting, and policy decisions.”

The project will incorporate primary data from RRG trials alongside authoritative public datasets and peer-reviewed literature, in accordance with ISO 14040 and ISO 14044 standards, allowing results to reflect site-specific and regional conditions.

Through this sponsorship, CWC and PMMI aim to support credible, academically led research that helps local governments and waste authorities better understand and evaluate the environmental implications of landfill-based waste management options. This should lead to breakthroughs, closing the recycling gap through the creation of true waste circularity.

About the Consortium for Waste Circularity (CWC)

The Consortium for Waste Circularity is a North American nonprofit 501(c)3 organization representing brands, printers and packaging suppliers. CWC advances circular economy solutions for hard-to-recycle waste materials to close the gap at landfills and incinerators. CWC supports the pathway to zero waste through research sponsorship, education, collaboration, and data-driven analysis.

Learn more at wastecircularity.org

About PMMI

PMMI, The Association for Packaging and Processing Technologies, represents more than 1,100 manufacturers and suppliers of equipment, components, and materials as well as providers of related equipment and services to the packaging and processing industry. We work to advance a variety of industries by connecting consumer goods companies with manufacturing solutions through the world-class PACK EXPO portfolio of trade shows, leading trade media, and a wide range of resources to empower our members. The PACK EXPO trade shows unite the world of packaging and processing to advance the industries they serve: PACK EXPO International, PACK EXPO Las Vegas, PACK EXPO East, PACK EXPO Southeast, EXPO PACK México, and EXPO PACK Guadalajara. PMMI Media Group connects manufacturers to the latest solutions, trends and innovations in packaging and processing year-round through brands including Packaging World, ProFood World, Healthcare Packaging, OEM, Contract Manufacturing and Packaging, and Mundo EXPO PACK. PMMI Business Drivers assist members in pursuing operational excellence through workforce development initiatives, deliver actionable business intelligence on economic, market, and industry trends to support members' growth strategies, and actively connect the supply chain throughout the year.

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