



Blueprint for Recyclability™

Blueprint for Recyclability™ is the Pennsylvania Recycling Markets Center's program for design investigation and selection of reusable and recyclable packaging and products. RMC's customizable program guides manufacturers closer to circularity. **Together, we plan it that way.**

RMC experts:

- Verify material composition to understand secondary market commodity value;
- Identify components that reduce end of life value;
- Recognize components that add disassembly cost;
- Assess material, composition, and redesign alternatives;
- Explore the likelihood of consumer recycling;
- Investigate consumer or manufacturer reuse of packaging or the product;
- Review package or product with MRF operators to gain opinion of recyclability;
- Notify material recovery facilities about item recyclability;
- Examine carbon footprint of the package or materials inclusive of alternates;
- Collaborate with relevant industry partners and obtain feedback for designers;
- Prepare manufacturers for third-party certification of sustainability claims;
- Evaluate potential product contribution to credits in LEED® rating system;
- Provide recommendations to implement clean and lean manufacturing;
- Seek expert input as desired from University faculty and RMC external partners;
- Evaluate the recycled item in actual MRF operation – test geometrics for recovery in mechanical, robotic, or human sorting.
- Have a working partnership with the globally recognized Penn State Materials Research Institute and through the MRI-RMC partnership, we can expedite advanced evaluation or development of your product and packaging, introducing novel design into your marketplace.

Recycling only happens when a discarded item is manufactured into a new package or product. Combining over 120 years of recycling and industrial experience at RMC, contact us to discuss Blueprint for Recyclability.

Blueprint@PennRMC.org or 717-948-6660



**Pennsylvania
Recycling Markets Center**
Keystone of Circular Economy

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The Pennsylvania Recycling Markets Center (RMC) is a non-profit corporation with mission to reduce or eliminate barriers that lead to expanded use of Pennsylvania's recycled materials. The RMC team brings markets development assistance to stakeholders that include entrepreneurs, manufacturers, recycled material processors, collection programs, haulers, and governmental agencies. Operating since 2005 and with funding from the Pennsylvania Department of Environmental Protection, the

RMC has an affiliation with Penn State and is headquartered at Penn State Harrisburg with an office in Pittsburgh. Pillars of RMC outreach include feedstock conversion pairing, applied research and commercialization assistance; technology acceleration; and concierge service to technical and business growth information. Building and supporting Pennsylvania's \$22.6B recycling marketplace, the RMC bridges economic development and use of Pennsylvania's recycled materials supply.