

Massachusetts Department of Environmental Protection (MassDEP)
Waste Reduction Innovation Grants (WRIG)
2025 Application Award Recipients

Organization	Community	Material	Amount Awarded	Project Description
CemCycle Inc	Worcester	Food waste	\$100,000	Develop an organic waste management technology to process organic waste and turn into valuable commodity mineral.
Hera Materials	Somerville	Package material	\$100,000	Launch Massachusetts' first fiber-to-film Demonstration Line 1 (DL1) to commercialize a breakthrough upcycling technology: WPk, a certified recyclable and compostable flexible film made from low-value recycled fiber to displace non-recyclable plastic films
Kykloris Inc	New Bedford	Food waste	\$100,000	Convert seafood shell waste into chitosan, a biodegradable and bio-functional material.
MacroCycle Technologies	Cambridge	Textile	\$100,000	Upcycle polyester waste and recycle textile waste into virgin-grade recycled polyester.
Orobor PBC	Boston	Plastic	\$50,000	Transform hard-to-recycle PET waste into virgin-equivalent recycled material.
Polycarbin Inc	Hanover	Plastic	\$100,000	Process semi-mixed streams of post-consumer lab plastics.
River Otter Renewables	Woburn	Textile	\$100,000	Recover valuable materials from blended textiles to be reused in fibers or upcycled into plastics, coatings, and other industrial materials.
Second Structure	Somerville	Reuse	\$50,000	Start a steel reuse consulting services company for steel reuse adoption.
SpadXTech LLC	Worcester	Textile	\$50,000	Developed a method to integrate textiles and functional powders directly into growing bacterial cellulose mats.
Upcyclx Inc	Cambridge	Plastic	\$50,000	Process PET plastic waste into potassium diformate (KDF).
USEFULL	Boston	Service-ware reuse	\$100,000	Convert its reusable takeout system to an all-in model.
VALIS Insights	Worcester	Glass	\$100,000	Digitize and automate its process for glass recovery.
Wentworth Institute of Technology	Boston	Food waste	\$99,906.54	Turn brewers spent grain (BSG) and distillers spent grain (DSG) into high-quality plant-based protein.