RNG Plastics®
Renewable Plastics

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RNG Plastics Landfill-Safe Program Attributes

Carbon credits aren't usually priced out one-by-one per attribute like items on a menu—they're **based on the overall impact** of your process, verified by Intertek. Note that values may fluctuate with various products, markets, and countries, and with stacking boosting the total, which LCA Certification pins down with exact numbers for each customer.

Attribute	How It Contributes to Credits	Estimated Value per Ton (USD)
A) Safe capture and conversion to RNG/biogas at EPA landfills	This is the main driver—avoiding methane leaks (a big greenhouse gas) by turning plastic into captured RNG at widespread sites. It qualifies for voluntary carbon credits (VCM) like methane avoidance under Verra/ACR.	$15-25 (about half the base carbon credit; core avoidance).
B) No GHG emissions released (ASTM verified)	Proving negligible leaks during the process boosts the "integrity" score in registries, lowering carbon intensity (CI) for higher credit value.	$3-5 (small premium for verified zero-emission tech).
C) No waste left behind (only water vapor/biomass)	Ties directly to plastic credits for waste reduction (e.g., Verra Plastic Standard), stackable as a "no residue" benefit. This is a big stacking opportunity.	$200-300 (full plastic credit value; pollution-focused).
D) CO2 filtered and converted to renewable feedstock	This is carbon capture/utilization (CCU), adding a "removal" premium in VCM or tax credits like 45Q ($60/mtCO2e).	$5-10 (CCU bonus; ~10-20% of carbon value).
E) RNG used as LCFS fuel for clean energy/chemicals	Enables compliance credits under California's LCFS (higher value if for transport/electricity), or voluntary for clean energy displacement.	$20-30 (LCFS portion if applicable; energy use boost).
F) Upcycled back to original feedstock	Shows "circularity" by displacing new fossil gas, adding value in methodologies that reward fuel substitution.	$3-5 (displacement premium; ties to no new extraction).
G) No new carbon	Frames the whole process as a closed loop (no net addition to atmosphere), supporting higher CI reductions and premiums in circular economy labels.	$3-5 (overarching premium for net-zero claims).
H) No microplastics generated	Prevents secondary environmental pollution from plastic breakdown, enhancing the value of plastic waste reduction credits by addressing microplastic concerns in standards like Verra, leading to higher market premiums.	$50-100 (premium for pollution prevention, based on market criticism of microplastic-generating processes).

Attribute	How It Contributes to Credits	Estimated Value per Ton (USD)
I) Full non-toxicity compliance (FDA, REACH, DTSC, TRI)	Ensures human and environmental safety, boosting credit integrity and eligibility for health-focused premiums in VCM and plastic standards.	$10-20 (integrity and compliance premium).
J) Full supply chain transparency (Intertek Assuris program)	Provides verifiable traceability, increasing buyer confidence and allowing for higher credit prices due to reduced risk and enhanced ESG reporting.	$20-50 (transparency premium, as emphasized in VCM guidelines).
K) Compatibility with existing waste management infrastructure (e.g., Waste Management, Republic)	Facilitates seamless integration into current systems without added costs, enabling broader adoption and scalability of credit-generating activities.	$10-30 (adoption and efficiency premium).
L) Community benefits (no toxicity like contaminated recycling)	Delivers social co-benefits such as improved health and economic opportunities, which command higher prices in VCM for projects with community impacts.	$30-60 (co-benefit premium for social value).
M) Zero issues with contaminated products (e.g., food, adhesives, laminates)	Allows processing of diverse waste streams, increasing the volume of creditable material and amplifying overall credit yield.	$20-40 (tolerance premium for expanded applicability).
N) Partnership with EPA LMOP	Enhances program credibility and alignment with federal initiatives, potentially unlocking additional regulatory benefits and higher integrity scores.	$10-20 (credibility and partnership premium).
O) Annual Intertek audits for ongoing credits	Ensures continuous verification and compliance, sustaining annual credit issuance and maintaining high market value through proven integrity.	$5-10 (sustainability and audit premium).
P) USDA guidelines met	Related to products used at/with USDA farms, foods, and meeting their use guidelines.	Unknown

Think of this chart as a guide; the total adds up based on your specific setup.

Make your commitment now, before the 2026 offer expires on December 31, 2026.