



The Renewable Plastic Report

Carbon-Neutral, Truly Sustainable

- A multi-billion \$\$ infrastructure is already in place! •
- "Landfill-Safe" is what consumers understand - look for •

RNG Plastics — Collected Curbside with *Residential Waste Pickup*

Residential trash collection services are readily available in every U.S. city. According to Solid Waste Association of North America (SWANA) it is a \$75 billion dollar industry.

There are 509 LMOP landfills converting waste into renewable biogas and RNG. The median cost to build the plants is about \$15 million each – a total of \$7.6 billion. Does not include land acquisition, permits, etc.



After use, RNG Plastic™ products are picked up by the curbside trash collection companies and taken to the EPA's regulated landfills. With 509 LMOP partnered landfills serving over 85% of the U.S. population, this means RNG Plastics exceed the FTC's recovery (recycle) rules.

FTC Part 260 requires at least 50% of the population must have access to collection centers in order to say a product is recyclable (*recoverable* as they say in the trade).

After use, all consumers need do with RNG Plastic products is:

"Throw it in the trash..."

Frankly, RNG Plastics make this is a good day to be alive for landfill owners, RNG and renewable biogas facility owners, and all those who use their RNG and renewable biogas products.

As the **RNG Coalition** confirms – "RNG is interchangeable with fossil fuel natural gas!"

Why does it have to be more complicated than this? Plastics in the U.S. are made from **FNG** and RNG Plastics convert them right back into **RNG**.



Landfill-Safe™ Validation



You will be hearing more and more about plastics that are landfill-safe in the years ahead. And those that are not.

When we started our journey, we wanted to develop a plastic that met the EPA's landfill requirements. We discovered the most common definition understood by consumers and end users was the term "landfill-safe".

To be landfill-safe, a plastic had to safely degrade in the LMOP partnered landfills. It could not be biodegradable* (all bioplastics leak GhG in landfills), which releases GhG, or leave behind any toxic residues or microplastic.

It eventually led to the discovery of RNG Plastics, a landfill-safe plastic that is even better than the previous standard. RNG Plastics met the previous landfill-safe standard but also excelled by having a negligible impact on performance qualities. And, instead of "safely degrading", it lays dormant until later in the landfill's life when it wakes up and is converted into RNG or renewable natural gas. Right back into its original feedstock!

- Carbon-neutral
- A perfect closed loop
- No GhG

- No microplastic
- Helps mitigate global warming

Best of all, it is cost-effective, costs 50% - 150% less than alternative bioplastics and with far superior preservation and pathogen-resistant qualities!

*The FTC says biodegradable materials should degrade in a short time period. Such as D6400 plastics that degrade in a few months—letting its GhG escape into the atmosphere.

Look for the *Landfill-Safe* logo!



Next newsletter *PACs* and *FASs*!

Join the natural evolution into sustainable plastics!



International Partner



**RNG Plastics
good for mankind**



LMOP Industry Partner

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