



The Renewable Plastic Report

Renewable plastics · true sustainability

Welcome to the *Renewable Plastic Report*. Stay up to date on sustainable, renewable plastics (like those used in packaging) and sustainable, renewable biogas and RNG.

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New Products & Innovations-----ii-- | ----- Sustainability & Environment

Renewable RNG Plastics*

RNG Plastics are a safe, healthy, permanent solution to the future of plastic.

Fossil fuel plastics using the RNG Plastic technology are converted into *Renewable biogas and Renewable Natural Gas* (RNG) at 500+ EPA regulated landfills and 100+ ag biogas plants nationwide.

Using the existing waste management infrastructure, 80%+ of disposable, non-recyclable, and contaminated plastics using RNG Plastic technologies can automatically be recovered (aka recycled).

RNG Plastics are available for PE films and poly/paper laminates. Other plastic types will be available soon.

They are being called, “a timely, crucial technology for the future of public and planetary health, safety, and commerce.”



80%+ Recovery Is Here!

Recycling (“recovery” in the scientific world), and composting have been ineffective for over 25 years.

Plastic and paper packaging suppliers talk about recycling and composting, but here are actual recovery rates by 2021:

- Plastic recycling: **5%-6% (in decline since 2018)**.
- Composting: **Less than 1%** of bioplastics and “home compostables”. The EPA has no comprehensive data to verify composting.
- Paper bag/packaging recycling: **Less than 1%** (reports a large California recycler and others).

In contrast, 80%+ of RNG Plastics are recovered in EPA regulated landfills.

Recycling paper and plastic is actually *downcycling*. Whereas RNG Plastics came from natural gas and are being returned to RNG or renewable biogas.



Until renewable, plastics are embraced, U.S. landfills face uncertain futures.

Government and consumer misbeliefs need to change. They must be based on reality and meet the requirements of U.S. EPA regulated landfills today, and in the future.



Industry News and Trends

Sacramento Recycling Center Permanently Closes

A family-owned south Sacramento recycling facility permanently closed its buyback center Friday after more than three decades in business, with management pointing to “aggressive” enforcement actions by the state’s recycling department, CalRecycle, that they say resulted in long lines, angry customers, and ultimately unsafe conditions for workers.



Ming’s Recycling Center president, Kenny Luong, notified CalRecycle that the redemption center at its 47th Avenue facility would not reopen, closing for good effective immediately. Two other area recycling centers will stay open for now. Read more at: [SacBee.com/news/local/article2727089.html](https://www.sacbee.com/news/local/article2727089.html).

Next newsletter: Recycling criteria for plastics. Compostables are not composted.

*** A fossil fuel plastic that is converted into renewable biogas in a biodigester can be considered a renewable plastic. Converted into biogas in a biodigester, the resulting biogas is considered renewable biogas. It can be used to make RNG, chemicals and fertilizers, fuel for cooking or vehicles, electricity, and, of course, new plastic!**



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