Prepared by RNG Plastics® Renewable Plastics • Hello@RNGPlastics.com

# Carbon Credit Basics

Welcome to this easy-to-understand manual on carbon credits! If you're new to the topic—like many companies—this guide is for you. We'll start with the basics: what carbon credits are, why they're useful, and how they work. At the end, we'll introduce a special type of carbon credit program using RNG Plastics, which offers exceptional benefits for eco-friendly products.

We've kept the language simple, so you can share the info throughout your organization. As you read this guide think about how it can make a positive impact on your company, its image, and your customers, sales and profits. Let's dive in!

## What Are Carbon Credits?

Carbon credits are like **Eco-Awards** for doing good for the environment and humanity. They measure and reward actions that reduce pollution (like greenhouse gases CO2 and methane), minimize waste, and promote a healthier, cleaner planet.

There are two main benefits:

1. **Carbon Offsets**: They "cancel out" pollution. For example, if your company creates some polluting emissions, you can use credits from eco-friendly products to balance them out—like low energy lighting that reduces electricity use.
2. **Income**: You can earn money by creating and selling your credits. It's a ***$183 billion business in the U.S.!***

In short, carbon credits help climate change and reduce waste by encouraging cleaner practices.

## Why Do Companies Want Carbon Credits?

Carbon credits make sense for companies of any size. Here's why:


- **Lower Costs**: They can reduce expenses through incentives or by avoiding fines for pollution.


- **Do the Right Thing for Humanity**: Help protect the planet from global warming, excess waste, unhealthy chemicals, and reduce energy, which affects everyone.


- **Full compliance** with EPA, FDA, state, federal, and international laws.


- **Improve Your Company's Image**: Show customers you're eco-friendly. This can attract more business and make your brand look great.

This recognition ties into your company getting praised for being green and internationally recognized—it's good for the world and your bottom line!

## Who Can Claim Carbon Credits?

- The owner is ***the company that asks for and pursues them***. If you make or do something that qualifies (like using special environmentally sound materials), you **own the credits**, which are very valuable and **can earn substantial income** for your company.
- Other companies and customers that **use your products** can **voluntarily claim them** too. For example, if you sell green packaging, your customers might share the eco-benefits in their reports. **But they can't sell the credits like you can**.

Anyone can get involved if they follow the rules—it's not just for big corporations!

## What Types of Products Qualify for Carbon Credits?

Many everyday items can earn credits if they're made in an eco-friendly way. Examples:

- Plastics (like bags or bottles).
- Paper products.
- Cosmetics.
- Agriculture (farming practices, machinery, or packaging).
- Foods (wrappers or containers).
- Forestry (wood-based items).
- And much more, like electronics packaging or household goods.

If your products reduce waste, pollution, or emissions, they can qualify providing they meet qualified engineered specifications. The key is getting them certified.

## How Do You Get Carbon Credits?

It's a straightforward process, but products must be **qualified and certified** to prove they're truly eco-friendly. Here's a simplified 4-step approach:

1. **Purchase or License a Technology**: Get permission to use a special eco-method or use certified raw materials (for example, Landfill-Safe plastics). This unlocks your ability to **claim and own credits**.
2. **Start Making Products**: Buy the certified raw materials and begin production. You **can claim credits retroactively from day one**—no waiting!


3. **Certify Your Products**: Send samples to an ASTM lab (like Aropha, Inc.) for testing to get them ASTM certified.
4. **Get a Life Cycle Assessment (LCA)**: Hire experts (like Intertek) to review your product's full impact—from creation to end-of-life. This report shows environmental benefits and allows "stacking" (adding extra credits for things like methane avoidance or waste reduction, no microplastic, etc.). It is then internationally recognized with **significant monetary value**.

### With LCA Certification, you have two options:

A. **Sell them on Registries**: Your company or a broker will have them validated by a VVB (an independent Validation and Verification Body) making them ready to be listed on a secure online exchange like Verra, Gold Standard, or American Carbon Registry.
B. **Redeem in House**: Use the credits for your own sustainability goals, carbon offsets, and tax reductions. Depending on tax or regulatory incentives they **may have double the value**! Ask your CPA or VP of Finance.

The process takes about 10-12 months but once it's set up, you **get ongoing annual credits!**

## When Do Carbon Credits Apply?

Owners can claim them **from the first use** of the qualified product or process. If you've already started making eco-products, you can go back and claim retroactive credits after certification. It's designed to reward early action.

## Introduction to Exceptional Credits with RNG Plastics

Now that you know the basics, let's talk about something special: **RNG Plastics** (**Renewable Landfill-Safe Plastics**). This is a cutting-edge program for plastics and polymers that goes beyond regular carbon credits. It's perfect for companies making or using plastic products, and it "stacks" multiple benefits for higher value.

## Why RNG Plastics Stand Out

Regular carbon credits are great, but RNG Plastics are referred to as **premium carbon credits** since they add **extra layers (stacking)** to boost their worth—up to **$110-$168 per ton or more!** Here's why:

- Plastics made with this technology turn into renewable natural gas (RNG) at EPA regulated landfills, which is safely captured to make new renewable products. A perfect **closed loop** since plastics are made from natural gas to begin with.
- These engineered landfills are commonly called **Recovery Centers** with a collection **infrastructure already in place – *your existing trash bin!***
- Avoids methane emissions (a powerful greenhouse gas) and may be used for clean energy.
- No waste left behind—just water vapor and biomass.
- Prevents microplastics, air, and water pollution.
- Fully non-toxic and compliant with rules and laws like the FDA, EPA, and REACH.

Value incentive examples:

- **Methane Avoidance**: $15-25/ton – Captures gas at EPA landfills instead of letting it escape.
- **No Microplastics**: $50-100/ton – Stops micro- and nano- plastic pollution.
- **No Waste Residue**: $200-300/ton – A huge bonus for complete breakdown.
- **Plus, more**: Like clean energy ($20-30/ton), supply chain transparency ($30-50/ton), and EPA partnership ($30-60/ton).

## A Quick Example Calculation

If your company makes or uses 10 million pounds (5,000 tons) of RNG Plastic films, you can:

- Earn carbon credits worth $551,610 to $838,350 in the U.S.
- Earn carbon credits worth as much or more on international sales.

You don't want to skip stacking—it's like leaving money on the table!

## Get Started with RNG Plastics

**Talk to a Carbon Credit Consultant**: He/she can show you awesome benefits enhancing your company's **image**, earning **carbon credit income**; becoming an **EPA supporting partner**, and; attaining **international recognition**.

RNG Plastics aren't just credits; they're a way to make your plastic products sustainable, reduce pollution and waste, and earn generous extra income. If your business deals with plastics, ***this is a gamechanger!***

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