Welcome to the Future of Plastics!

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INTRODUCING ECO6
A SUSTAINABLE SOLUTION FOR THE NEW PLASTICS ECONOMY!

ECO^6 is 100% natural, renewable plant-based plastic feedstock.

We make our **ECO^6** plastic additive in America from hemp, rather than from the hydrocarbons found in petroleum and natural gas. It's designed to be blended with traditional polymers such as polyethylene or with biopolymers.

*Calculated using the United States Environmental Protection Agency's Greenhouse Gas Equivalencies Calculator and data from Fredonia Group.

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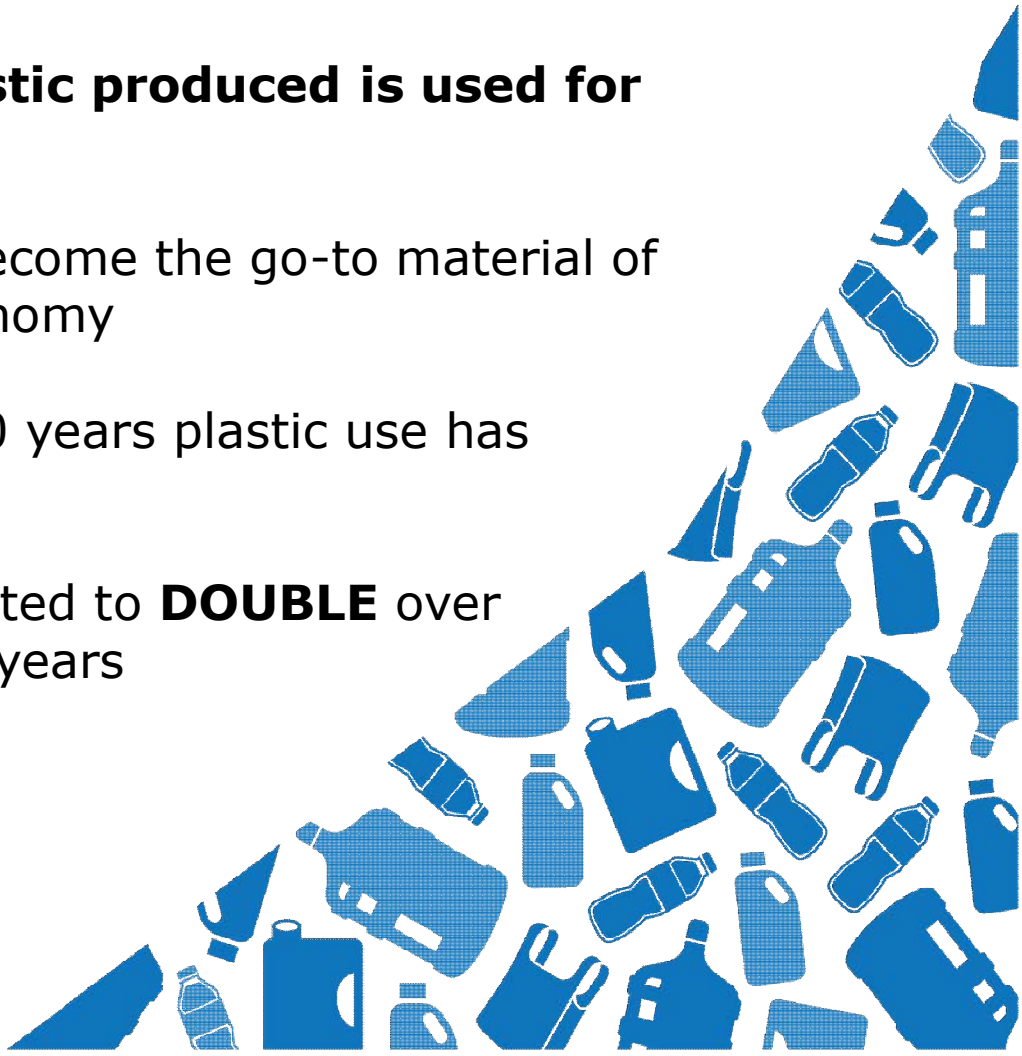
WHY THE FUTURE PLASTICS ECONOMY NEEDS SUSTAINABLE SOLUTIONS LIKE ECO⁶

36% of all plastic produced is used for packaging

PLASTIC has become the go-to material of the modern economy

Over the past 50 years plastic use has increased **20x**…

and is expected to **DOUBLE** over the next 20 years



1966 2016 2036

Source: PlasticsEurope, Plastics: The Facts 2015— for details please refer to the extended version of the report available on the website of the Ellen MacArthur Foundation: www.ellenmacarthurfoundation.org

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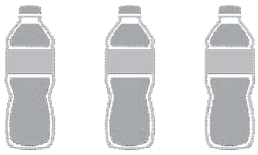
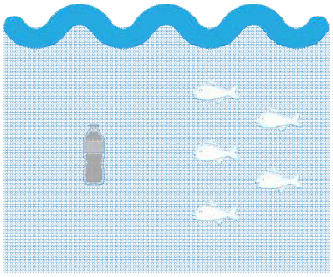
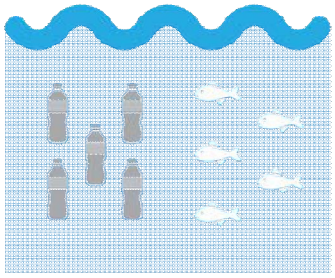
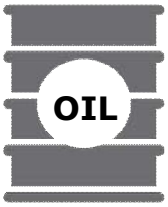
CURRENT CONDITION & FORECAST FOR THE PLASTICS INDUSTRY WITHOUT PRODUCTS LIKE ECO[6]

	2018	2050
PLASTIC PRODUCTION	 448 MT	 1,124 MT
RATIO OF PLASTIC TO FISH IN THE OCEAN (BY WEIGHT)	 1:5	 >1:1
GLOBAL OIL CONSUMPTION USED TO MAKE PLASTIC	 6%	 20%
PERCENTAGE OF TOTAL CARBON EMISSIONS BY PLASTICS	 1%	 15%

Source: Plastics Europe, ICIS Supply and Demand— for details please refer to the extended version of the report available on the website of the Ellen MacArthur Foundation: www.ellenmacarthurfoundation.org

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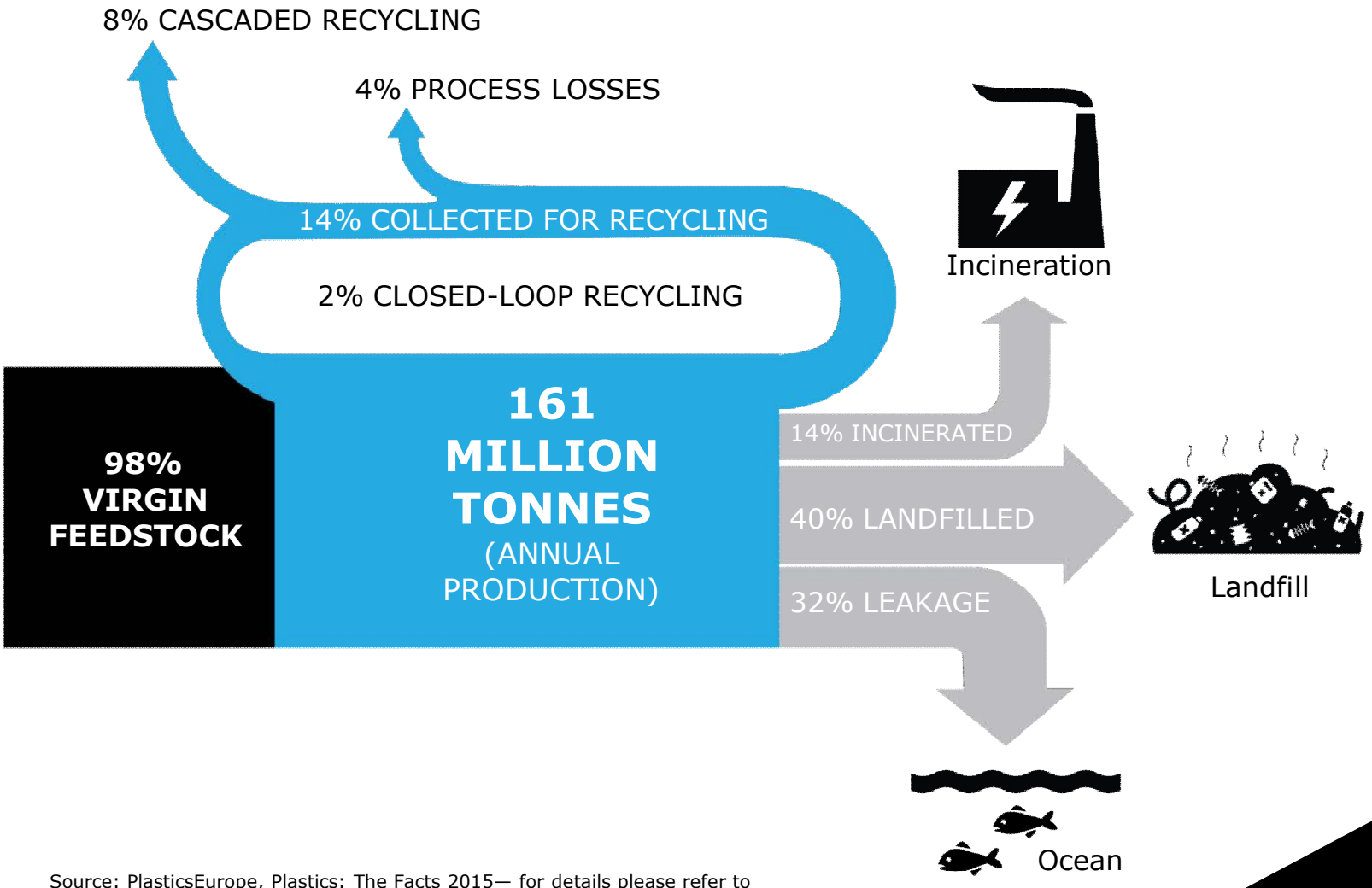
WHY SOLUTIONS LIKE ECO⁶ ARE NEEDED FOR A CLEANER PLASTICS ECONOMY

CURRENT NONSUSTAINABLE GLOBAL FLOW OF PLASTICS



Source: PlasticsEurope, Plastics: The Facts 2015— for details please refer to the extended version of the report available on the website of the Ellen MacArthur Foundation: www.ellenmacarthurfoundation.org

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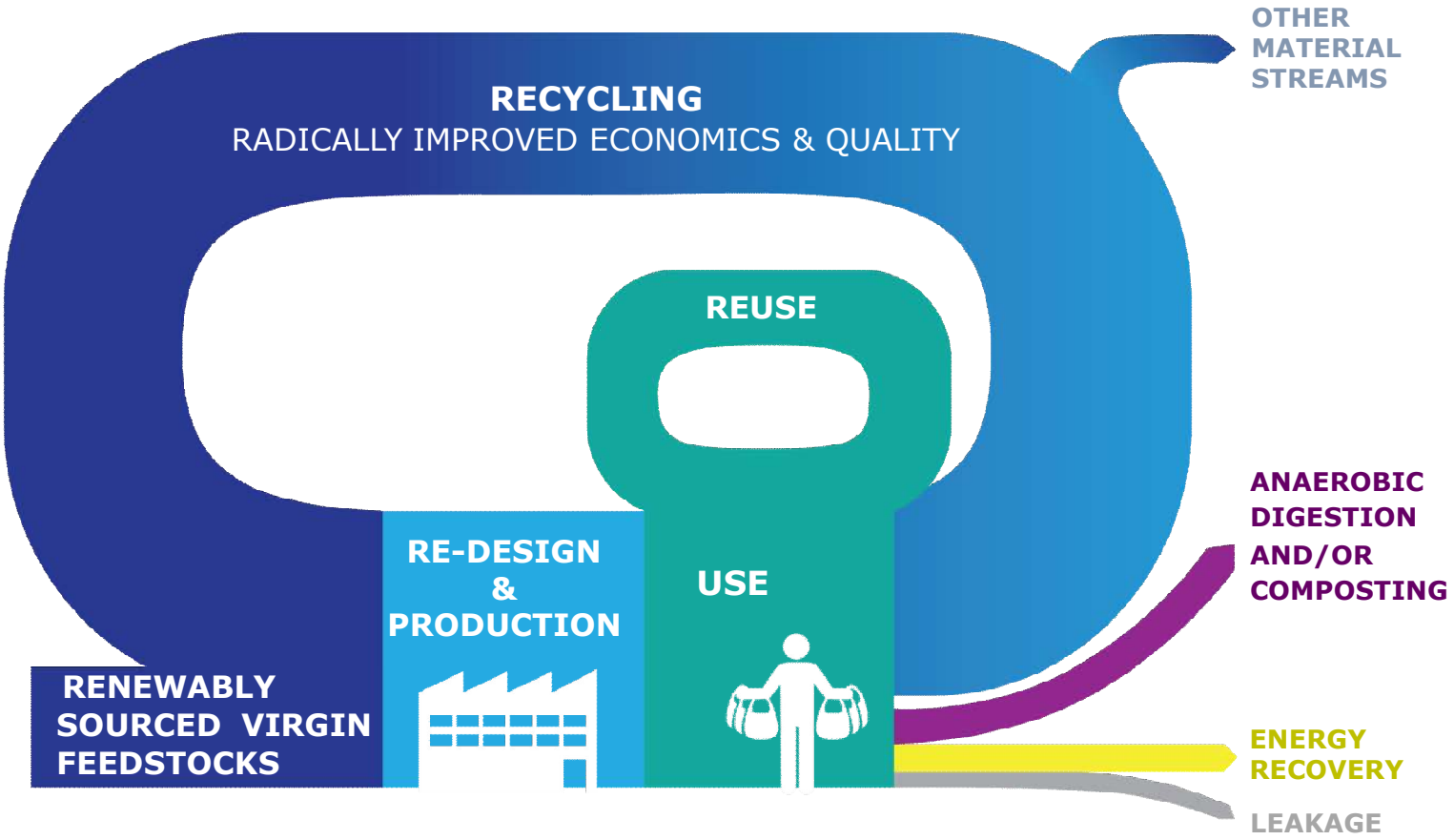
AMBITION OF THE NEW PLASTICS ECONOMY WITH SUSTAINABLE SOLUTIONS LIKE ECO⁶

2. CREATE AN EFFECTIVE AFTER-USE PLASTICS ECONOMY



1. DECOUPLE PLASTICS FROM FOSSIL FEEDSTOCKS BY UTILIZING SUSTAINABLE, BIO-BASED FEEDSTOCKS LIKE **ECO⁶**

3. DRASTICALLY REDUCE THE LEAKAGE OF PLASTICS INTO THE ENVIRONMENT

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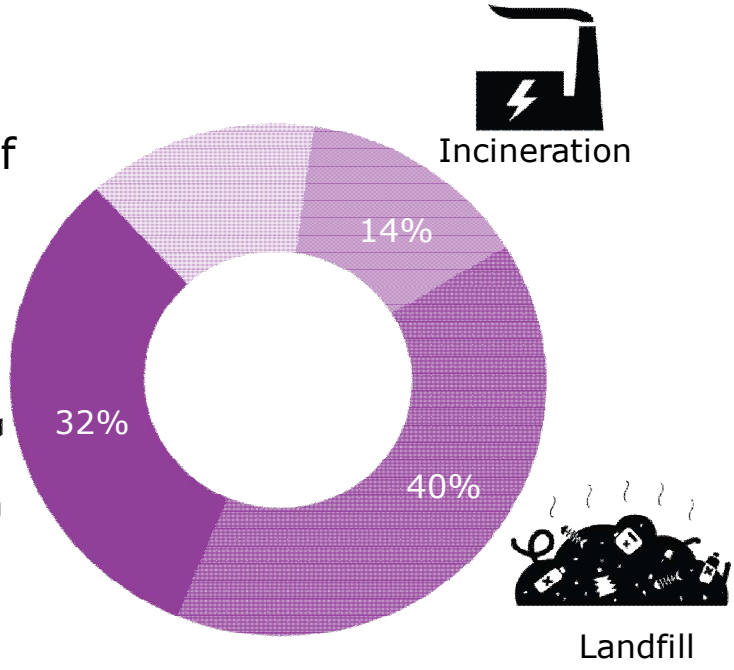
ECO⁶ CAN INCREASE THE VALUE OF PLASTIC WASTE

86% of plastic packaging in not collected for recycling, resulting in extensive amounts of plastic waste.

Current plastic waste disposal is unsustainable, with the majority of plastics ending up in our waterways, landfills, or being incinerated.

Incorporating **ECO⁶** into traditional plastics can reduce the negative environmental effects that plastics can have after they are disposed of by increasing the value of utilizing recycled plastic. This increased value of waste material leads to less plastic entering the ocean!



2016 /minute

2030 /minute

2050 /minute

Number of truckloads of plastic packaging reaching the ocean every minute

Source: For details please refer to the extended version of the report available on the website of the Ellen MacArthur Foundation: www.ellenmacarthurfoundation.org

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WE START WITH PLANTS, NOT PETROLEUM!

Proprietary Production Process

Reactive Extrusion Process

Converts hemp based cellulose → into **BioAdd** biobased additive → **ECO6** is compounded with other plastics → To create resins with increased characteristics

OR

Traditional polymers

Biobased polymers

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WHY ECO^6?

ECO^6 REDUCES YOUR CARBON FOOTPRINT

ECO^6 reduces the use of fossil fuel-based materials and greenhouse gas generation in the plastics industry.

Having a high carbon footprint means that your practices and products are contributing gas emissions into the atmosphere that are having a greater impact on promoting climate change. The carbon footprint of a product can be drastically reduced by using biobased feedstocks in place of petroleum feedstocks. Because **ECO^6** is derived from hemp, it has a smaller carbon footprint, with lower cradle-to-plant-gate greenhouse gas emissions than it's fossil fuel-based counterparts.

By incorporating **ECO^6** into traditional resins to offset the use of fossil fuel-based materials in the industry, it makes finished products made with **ECO^6** more valuable to conscientious consumers in the new plastics economy.

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WHY ECO^6?

ECO^6 IS BIOBASED

ECO^6 contains 100% biobased content.

Biobased products are derived from renewable agricultural materials that come from the environment and reduce the need for non-renewable resources such as petroleum. Traditional plastics will remain in the environment for long periods of time, polluting our landfills and oceans. By using biobased materials, we produce products that come from the Earth, and can be returned safely to the Earth.

Biobased is defined as commercial or industrial products (other than food or feed) that are composed, in whole or in significant part, of biological products or renewable agricultural or forestry materials. Biobased content is determined by the ASTM D6866 testing method. This method, similar to radiocarbon dating, compares how much “new” or organic carbon (biological-based as defined above) is in a material compared to the amount of “old” or fossil fuel-based carbon it contains.

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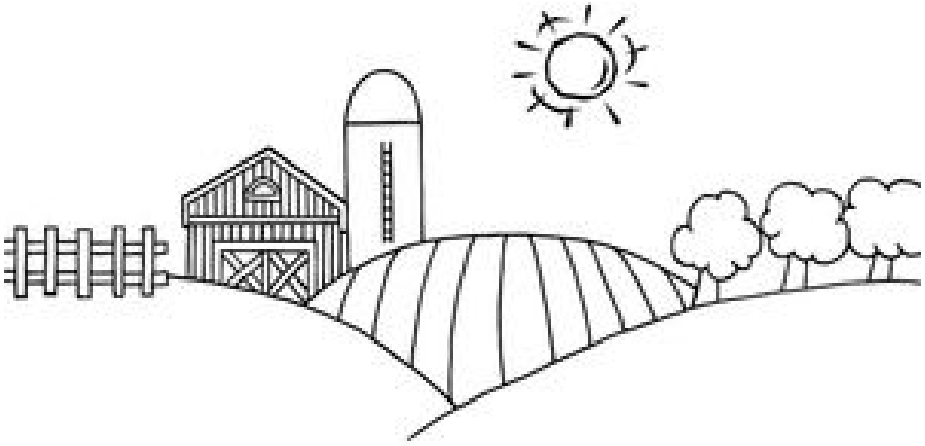
WHY ECO^6?

ECO^6 HELPS AMERICAN FARMERS

The feedstock used to make **ECO^6** is grown and processed in the United States. This means that every purchase of **ECO^6** products benefits the American farmer. Our products enhance economic opportunities for agricultural producers by offering another market, which in turn supports increased economic opportunities and quality of life in rural America where agricultural producers are located.



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WHY ECO^6?

ECO^6 IS VERSITLE

Plastics may not be the first thing that comes to mind, but adding the "tunable" carbon into plastics saves money, improves processing, product performance, and increases the sustainability factor of the product.

Resins made with **ECO^6** have enhanced strength and durability while maintaining the integrity of the polymer components of final products.

ECO^6 can be blended with conventional polyolefins or more robust resins like nylon and other thermoplastic elastomers to create durable goods. Also, the product works with recycled plastics, helping increase the "green" factor

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WHY ECO^6?

ECO^6 IS VERSITLE

ECO^6 can be utilized in the production of both hybrid and totally biodegradable bioplastic or biocomposite products.

ECO^6 can be used in a wide range of applications all being processed on conventional equipment. **ECO^6** can be utilized in fossil and non-fossil applications, or a blend of both. This area is of substantial importance as this may touch the entire value chain of the plastics industry.

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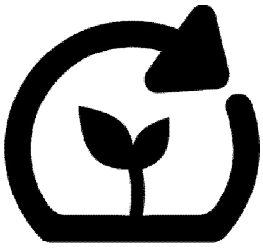
BECOME PART OF THE NEW, CLEANER, PLASTICS ECONOMY!

In a time with increasing concerns over climate change, depletion of non-renewable resources, and inefficiencies in recycling systems, we have the opportunity to redesign the plastics economy. Biobased materials can help us improve recycling infrastructure and promote a circular economy. Products made with biobased feedstock are made from renewable resources that can be returned to the earth as part of natural lifecycles.

In the end, sustainability has emerged as a vital part of brand position for many companies. It's not only appealing to their customers, but it's also a smart fiscal policy, as many aim to empower sustainability across industries and create better products for consumers and the environment helping meet sustainability objectives and goals with ease and efficiency. By using **ECO^{6}**, companies can reduce reliance on petroleum, promote good stewardship of our natural resources, and reduce toxic substances in the environment.



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FOR MORE INFORMATION ON **ECO^6**, PLEASE CONTACT US!

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