

Case Study on Eco-Products

Finding PFAS Alternatives for Foodservice Packaging



We are the most recognized and authentic brand in environmentally preferable food service packaging. As category leaders, we're able to deliver benefits to our partners that are unavailable anywhere else on the market.

Certified



Corporation

This company meets the highest standards of social and environmental impact

BUNDLE

- ✓ A one-stop shop assortment with 450+ stock SKUs
- ✓ Third-party certifications back up claims
- ✓ Personalization and custom development

INNOVATION

- ✓ Award-winning product design team & cutting-edge product development
- ✓ Product & Zero Waste Specialists
- ✓ A System Solution for waste diversion

ADVOCACY

- ✓ Thought leaders of Zero Waste Systems
- ✓ Leading industry efforts to increase composting, recycling
- ✓ Dedicated sustainability experts on staff

SERVICES

- ✓ Marketing and communication services
- ✓ Custom life cycle analysis reports
- ✓ Product customization
- ✓ Zero Waste consulting

Our Product Lines & Raw Materials



GreenStripe®



PLANT-BASED
PLASTIC (PLA)



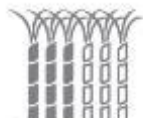
PLANT STARCH



WHEAT STRAW



SUGARCANE



SUGARCANE &
BAMBOO BLEND

What's cool:

- Made from renewable plant materials that can be grown again and again
- Not made from oil like traditional plastics
- The vast majority of GreenStripe® products are compliant with ASTM standards for compostability and many are BPI certified compostable, which means they can return to the soil to help plants grow

What's to consider:

Compostable GreenStripe products are:

- Compostable in commercial facilities only, which may not exist in your area.
- Not suitable for backyard composting.

BlueStripe®



POST-CONSUMER
RECYCLED FIBER
(PCF)



POST-CONSUMER
RECYCLED
POLYSTYRENE (RPS)



POST-CONSUMER
RECYCLED PLASTIC
(RPET)

What's cool:

- Made from post-consumer recycled materials that have been used, recycled, and repurposed, meaning fewer virgin resources are required and less landfill waste is created
- Making new products from recycled materials helps drive recycling markets and infrastructure

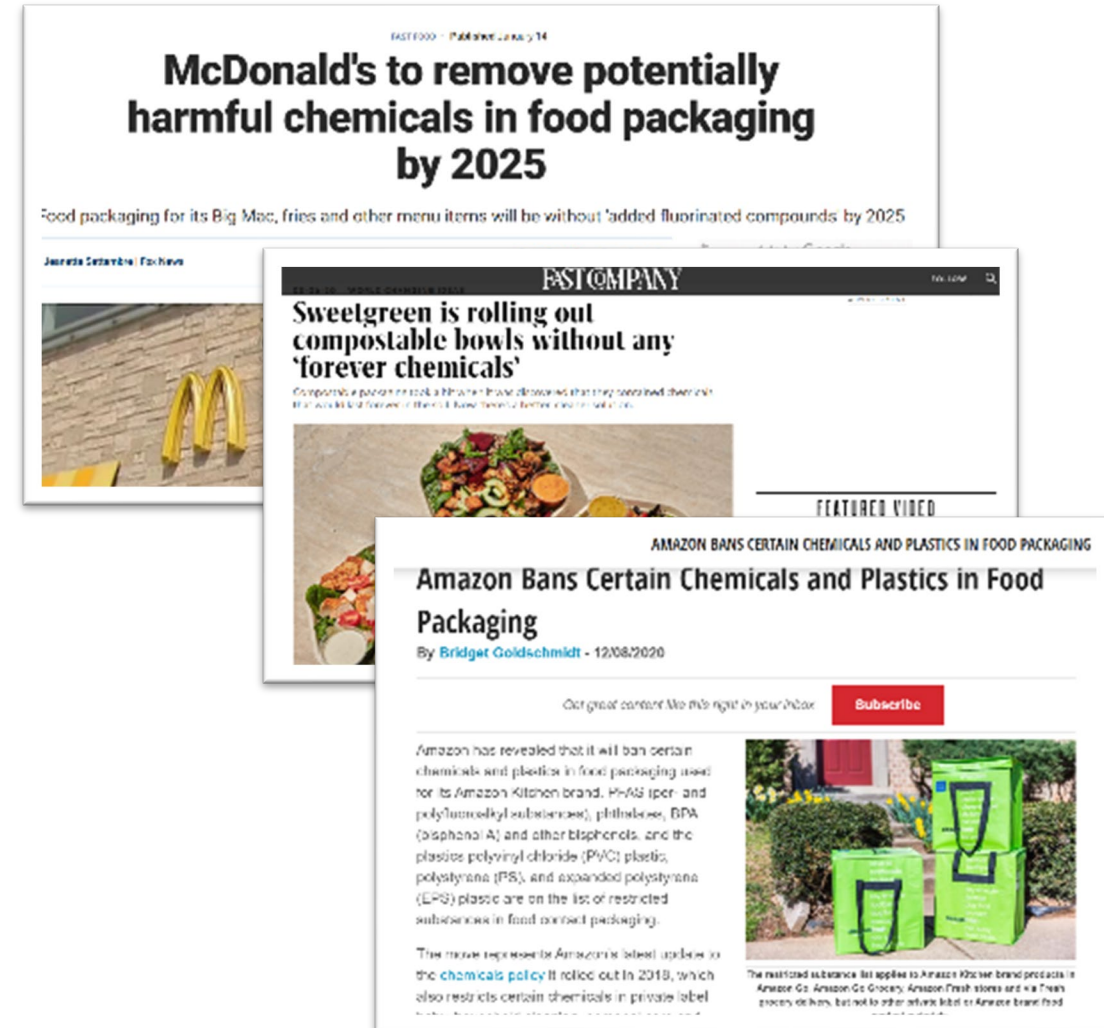
What to consider:

- Not recyclable in a majority of communities.



What is PFAS and its how does it impact foodservice packaging?

- Most molded fiber and paper foodservice products use additives for better performance when it comes to resisting grease and water. Those additives contain fluorinated compounds, commonly known as PFAS
- An increasing number of restaurants, grocery chains, government contracts, and municipalities are choosing products that do not contain PFAS
- As of January 1, 2020, Biodegradable Products Institute (BPI) has banned the intentional addition of PFAS in certified products and implemented testing requirements that all products must be under 100 ppm of total fluorine content. Compost Manufacturing Alliance (CMA) has mirrored this requirement for approved products



PFAS legislation in our category

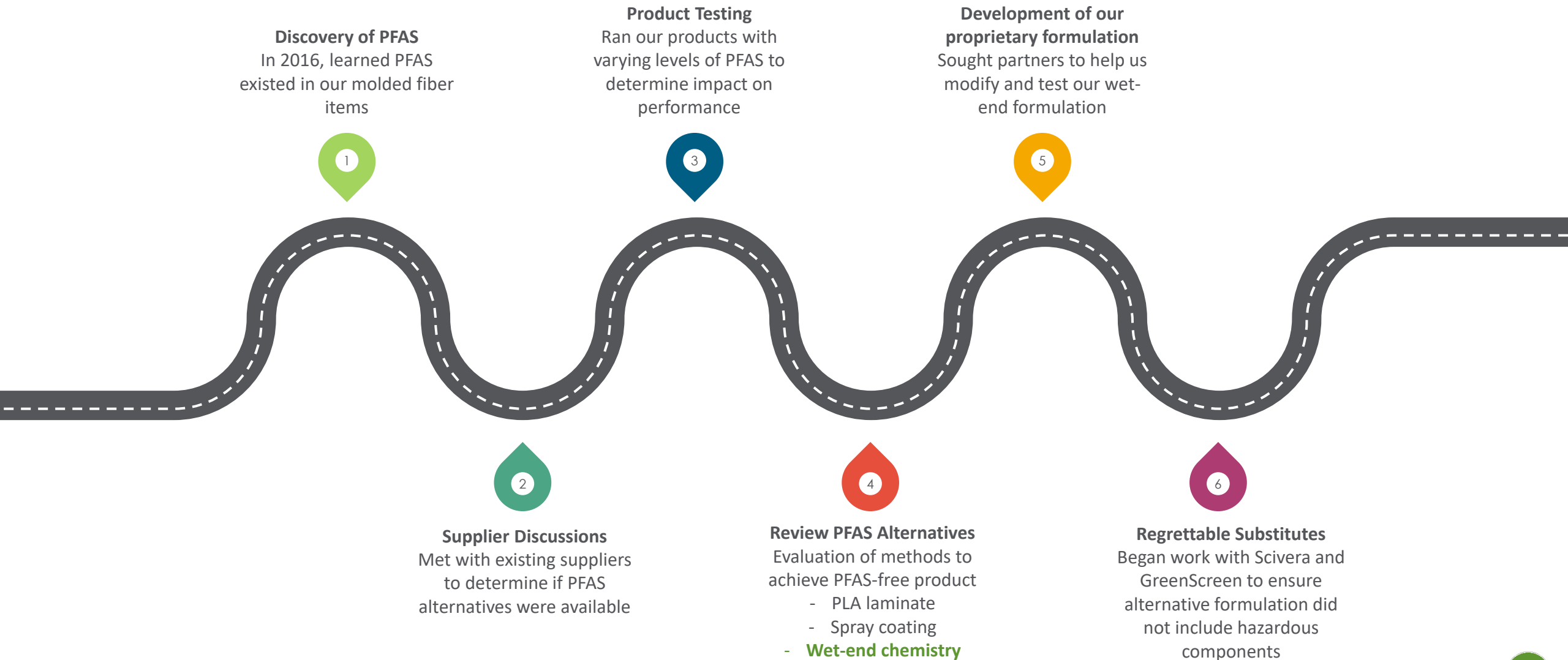
- On July 21, 2020, the US Food and Drug Administration (FDA) reached a voluntary agreement with US manufacturers of PFAS to phase out sales of certain PFAS compounds for use in food contact materials by 2024.
- Eco-Products is working to phase out all PFAS compounds from our legacy product line by December 31, 2023

Location of PFAS ban	Effective Date
New York State	December 31 st , 2022
Washington State	January 1 st , 2022, provided Alternatives Assessment recommends to proceed
Maine	January 1 st , 2022
City of San Francisco	January 1 st , 2020 – Requires BPI Certification



PERFLUOROALKYL &
POLYFLUOROALKYL
SUBSTANCES

PFAS alternative roadmap



Vanguard™ by Eco-Products

- A groundbreaking line of molded fiber products that use a proprietary alternative chemistry to achieve grease resistance performance without the addition of fluorinated compounds (also known as PFAS)
- Currently offered in plates, bowls, clamshells and two-piece containers
- Microwaveable, can be used with hot and cold food
- Made from sugarcane, a rapidly renewable resource
- BPI certified compostable and GreenScreen Certified™ Silver to avoid known regrettable substitutes



GreenScreen Certified™ Silver

- A third-party certification that evaluates every chemical used in the Vanguard formulation
- Attests that product line does not have any chemicals of high concern to human health and the environment—including PFAS and thousands of other chemicals listed on globally recognized hazard lists
- Vanguard is the first product line certified in the Foodservice Ware category



QUESTIONS

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