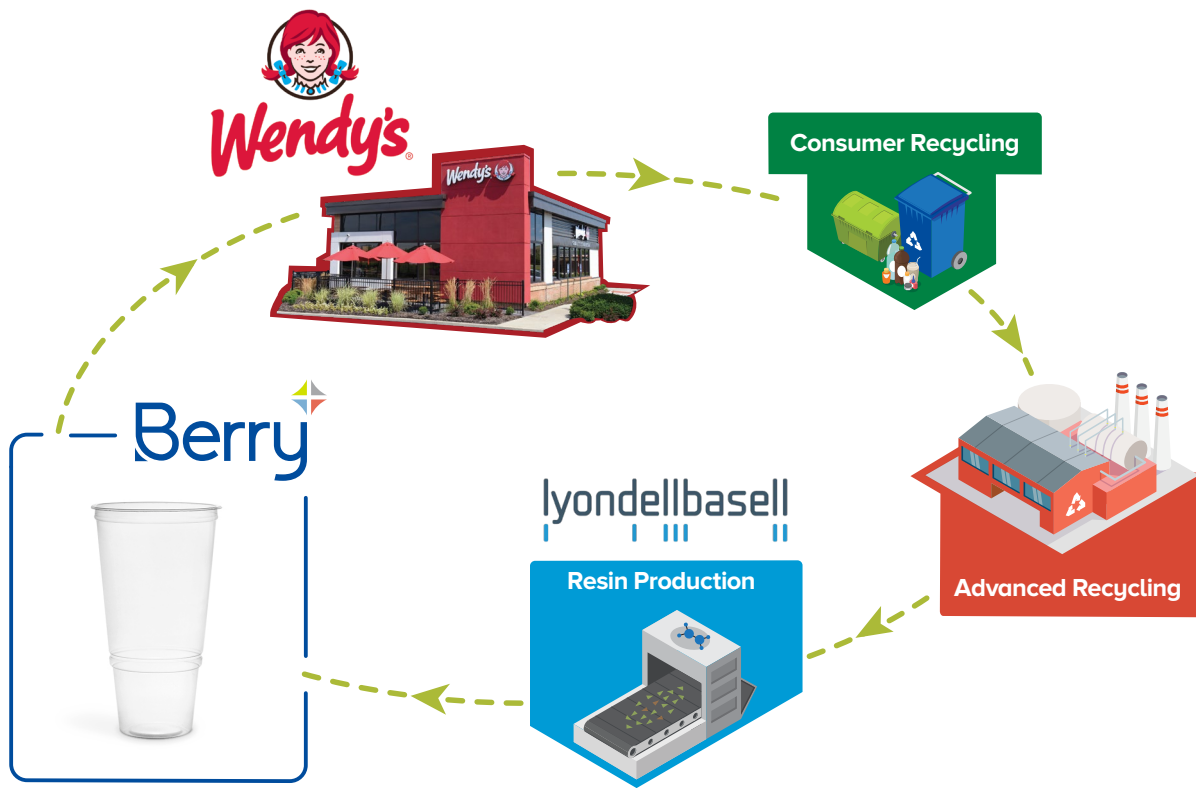


How This Collaboration Takes Initial Steps Toward a More **Circular Economy**

Wendy's® sets goal of sustainably sourcing 100% of its customer-facing packaging by 2026. Berry proposed moving from a selection of plastic-lined paper cups with very limited recyclability to single-substrate, clear plastic drink cups that **more consumers will be able to recycle**. Based on a mass balance approach, the cups will also use **20% ISCC-certified recycled plastic** across all North America restaurants—a quick-service restaurant industry first.



Clear cup is not specific to Wendy's design.

Berry combined its product design and production knowledge to create circular package changes and manufacture them efficiently.

LyondellBasell has the infrastructure and technology to provide advanced recycled resin for food-grade packaging.

This transition increases the opportunity for further **recycling** into new materials and helps **divert waste** from landfills.

The Challenges with Speed to Circularity

At **Berry**, we are on a journey, working alongside key partners in the value chain to support the transition from a linear economy (take, make, dispose) toward a circular economy, where materials are kept in use and out of landfills. Investments in education and infrastructure are needed to give our natural resources multiple lives. Some of the challenges in achieving circularity with speed include the complex and diverse infrastructure needed to collect and sort recyclable waste, product performance challenges with reduced material usage, and overall environmental impact of alternative solutions.

The Circular Economy is based on three principles:

1. Design out waste and pollution
2. Keep products and materials in use
3. Regenerate natural systems

Source: Ellen MacArthur Foundation (EMF)

As signatories of Ellen MacArthur Foundation's New Plastics Economy Global Commitment, **Berry has committed by 2025 to:**



100%

of packaging to be **reusable**, **recyclable**, or **compostable**



Use

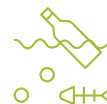
10% PCR

post-consumer recycled content



Take action to move from single-use towards

reuse models



Take action to

eliminate

problematic or unnecessary plastic packaging

These commitments not only help the environment but support **Berry's** customers like **Wendy's**.

The Benefits **Advanced Recycling**

What is advanced recycling?

- It is an innovative, new technology capable of capturing and reusing plastics that currently go unrecycled.
- Compared to the traditional plastic recycling method of washing and filtering to reduce contaminants, advanced recycling breaks down and rebuilds plastic to ensure it meets the high quality and safety standards for food-grade packaging, like the cup set solution **Berry** recommended for **Wendy's**.
- Advanced recycling, unlike traditional recycling, can handle hard-to-recycle plastic waste. The resulting material can be used in any application.

What are the challenges with accessing more recycled plastic?

An estimated 500 million pounds of polypropylene (PP) plastic is recycled in the United States each year, but that's only a small percentage of the amount of PP **Berry** could recover and repurpose. We need more, advanced technologies to recover more recycled content and create new end markets, such as food packaging. This is why the initial resin volume supplied by **LyondellBasell** is critical for this collaboration to become a reality.

How can we achieve 100% recycled plastic use right now?

There's no single solution to increasing access to recycled plastic, particularly for a broad set of end-use applications. It starts with more education about what is recyclable in communities, improved access to recycling and better infrastructure to collect, sort and convert recycled materials. At **Berry**, we are working to advance sortation technologies like robotics and optical sortation to help improve our ability to recover valuable resources and give natural resources multiple lives through investments in infrastructure and sharing our learnings from our data collection so others an industry can move quickly with us.

The Benefits of **Plastic vs. Plastic-coated Paper**

Moving from plastic-coated paper to clear cups using ISCC PLUS certified 20% recycled plastic provides several environmental benefits: First, it increases the recyclability of the cup from difficult-to-recycle plastic lined paper cups to cups with greater opportunities for recyclability. Why? Because many recycling facilities are unable to separate the plastic coating used to prevent liquid from leaking out or soaking through paper cups. Second, using a single substrate increases the opportunity for further recycling into new materials, helping divert waste from landfills.



The Significance of ISCC PLUS-Certified **Recycled Content and Mass Balance**

International Sustainability and Carbon Certification (ISCC) PLUS is a supply chain certification for recycled, renewable, and recycled-renewable materials, providing traceability along the supply chain by verifying that certified companies meet high environmental and social standards.

With the ISCC PLUS certification, **Berry** can produce products substituting a percentage or up to 100% of the virgin resin with certified circular polymers, delivering identical material performance as virgin polymer such as the certified resin initially supplied by **LyondellBasell** on a mass balance basis.

Mass Balance

Chain of custody methodology for advanced recycling and biobased feedstocks.

Why mass balance?

- Both virgin and circular feedstocks can be processed together
- Improved economics vs. building separate assets or running campaigns on existing equipment
- Accelerates commercialization of circular feedstocks

Recycled Plastic Feedstock

20%

80%

Virgin Feedstock



Mass Balance Allocation



Resin Production

20% circular feedstock blended across entire production

Circular claim applied to 20% of output, excluding conversion losses



Berry's Vision for the Future

For **Wendy's**, we estimate initially diverting up to 10 million pounds of plastic waste from landfills via recycling with an additional 6 million pounds of waste from source reduction over the first two years. We are proud of this important first step, especially considering the limited access to recycled content for food packaging today.

Looking forward, **Berry** will continue designing for circularity and investing in circular solutions. That includes our commitment to secure more recycled content and alternative renewable resources as we **decouple from fossil fuels** in the long term.

