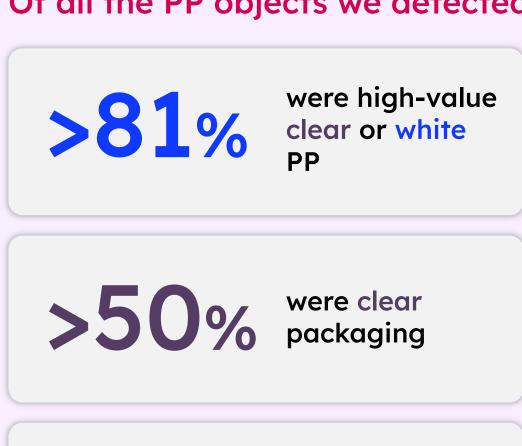
What's in a bale? **Tracking food-grade** polypropylene in the USA's recycling streams

In the largest-ever study of post-consumer food-grade polypropylene (PP), we used AI to analyze 45 million waste objects at some of the USA's largest plastic recovery facilities, across 4 states.

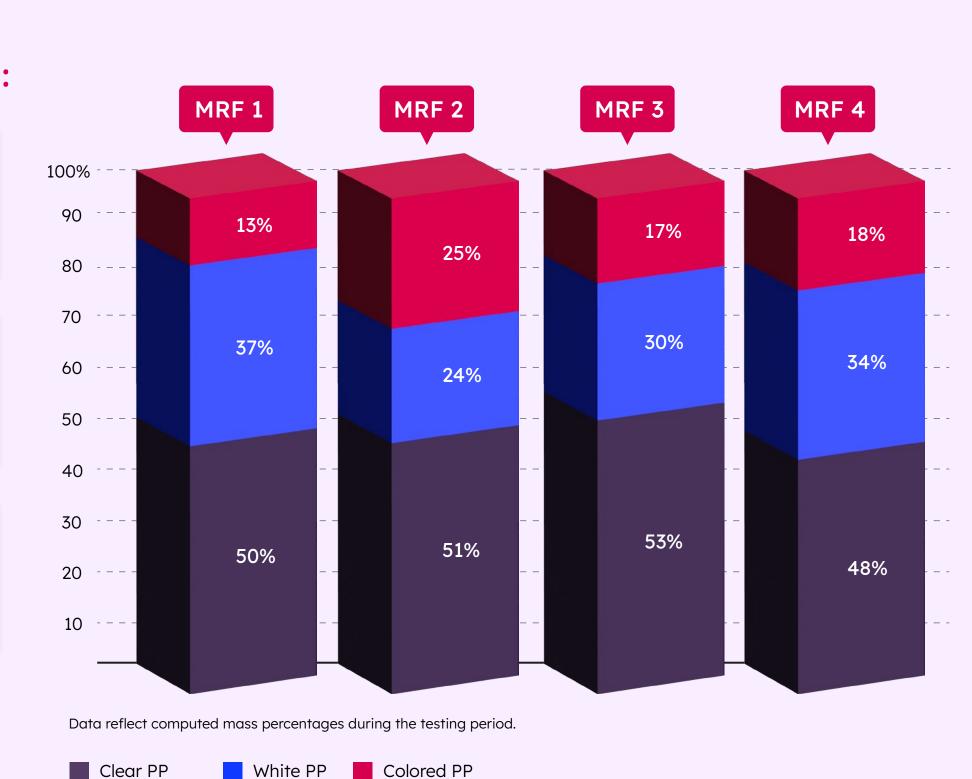
Here's what we found:

There is an abundant supply of post-consumption polypropylene, available for recycling.

Of all the PP objects we detected:

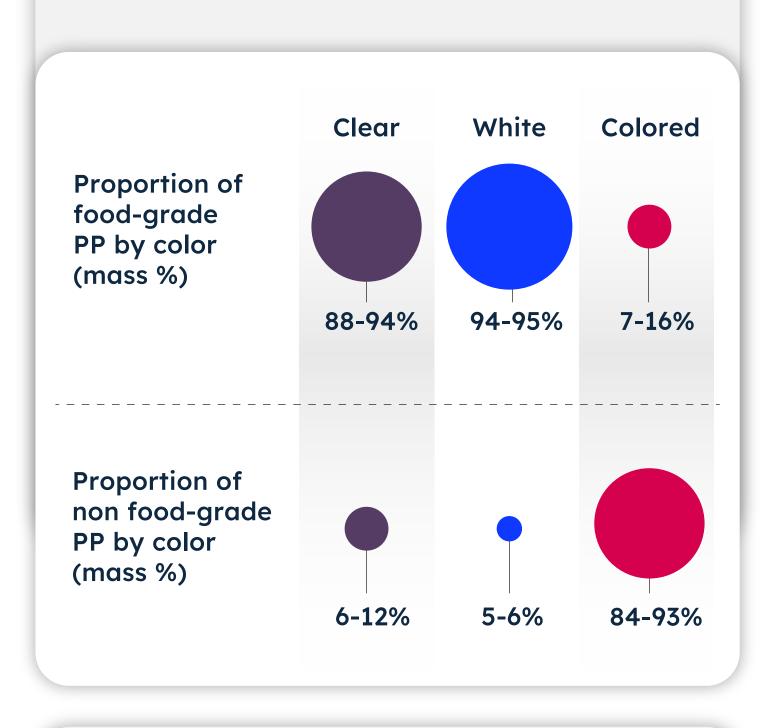






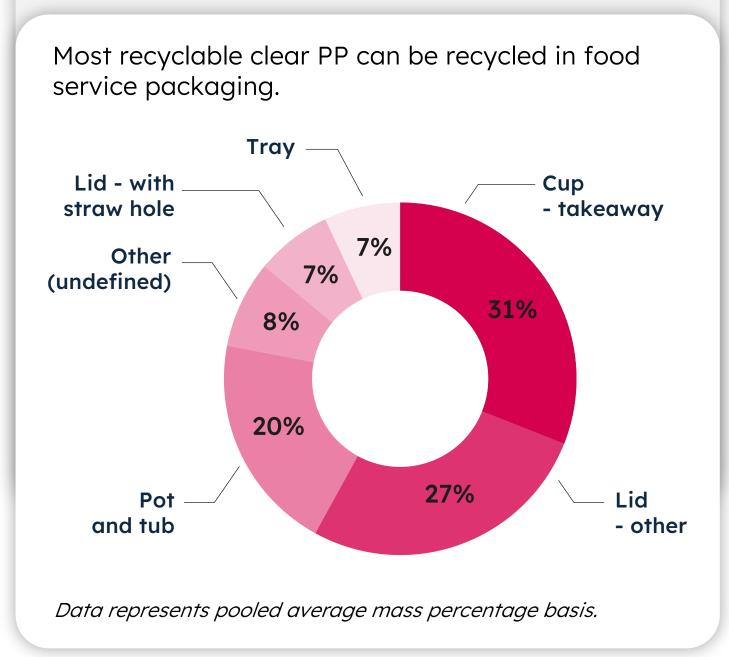
Most recyclable PP can be used for food service packaging

Clear and White PP accounted for the majority of food-grade PP.



Food service packaging dominates clear PP supply

Takeaway cups comprised the largest fraction at around 31% (mass basis), followed by lids, then by pots and tubs.



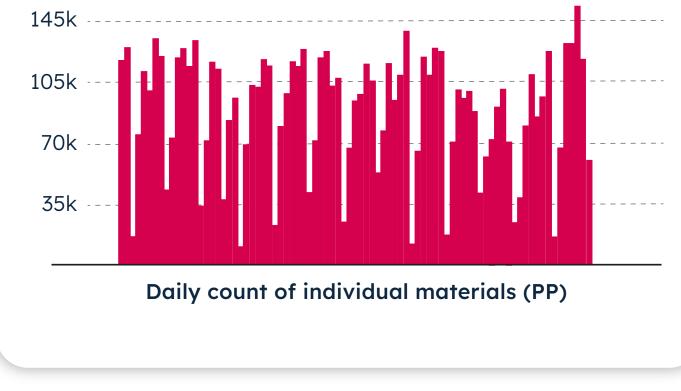
PP volume shifts on a day-to-day basis

Creating a steady supply of recycled PP means accounting for fluctuations in supply and facility performance.



Representative count of PP materials at

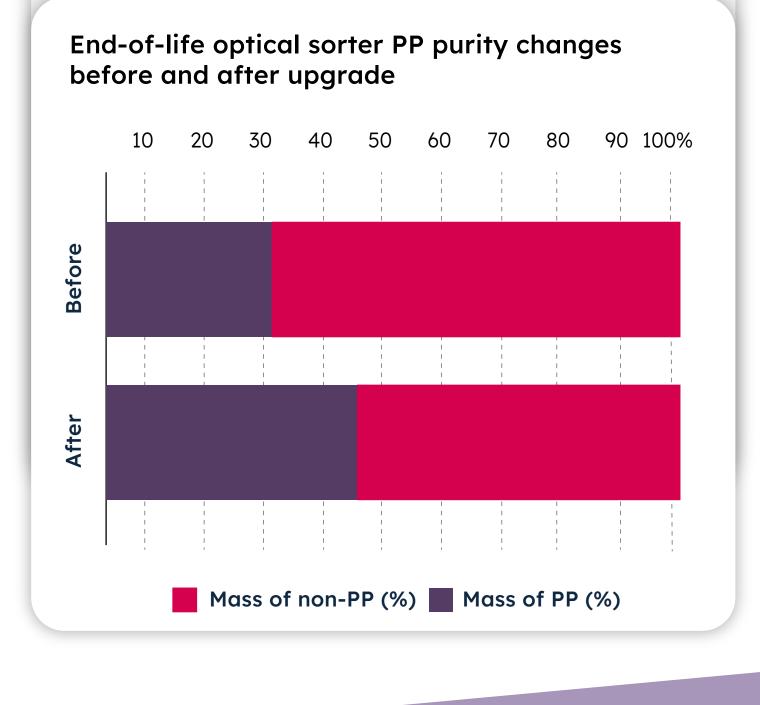
key events like partial-day operations.



and accelerating the transition to a more sustainable system.

Maintenance improves recovery rates and increases supply of recycled PP

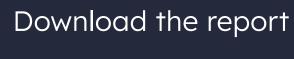
An optical sorter upgrade substantially increased PP purity by 13%.



Building a circular future for PP depends on action across the entire ecosystem From design to recycling, every stakeholder has a role in keeping PP in use and out of waste, strengthening supply











Get in touch