

Drive Circularity With REPUBLIC SERVICES RECYCLED PET



Sustainability in Action

Our Polymer Center's bottle-grade rPET flake can help decarbonize supply chains and reduce Scope 3 emissions.

81%

LOWER CARBON FOOTPRINT

than virgin bottle-grade PET produced in the United States

62%

LOWER CARBON FOOTPRINT

than rPET imported to the United States from Asia

47%

LOWER CARBON FOOTPRINT

than rPET produced in United States

OTHER U.S. rPET PROCESSES

582,111 kWh

LAS VEGAS POLYMER CENTER

194,614 kWh

ENERGY-EFFICIENT PROCESS

The Las Vegas Polymer Center's innovative processes use less electricity and thermal energy than other recycling facilities.

Total electricity and thermal energy for 1M lbs of of rPET flake

DOMESTICALLY SOURCED AND PRODUCED

Republic Services' domestic hub-and-spoke network means reduced transportation, and an integrated supply chain for our recycled material.

552 Miles

Average transport to Las Vegas Polymer Center

7,958 Miles

Shipping to U.S. from Asia



ENHANCED CIRCULARITY

In addition to clear rPET flake, the Polymer Center process captures and recycles other high-value materials, including colored PET, bottle caps and rings, and other non-PET materials that otherwise would be disposed of through landfill or incineration.

70% CLEAR FLAKE

16% OTHER KEY MATERIALS

8% CAP-AND-RING

6% COLORED PET

MAKING AN IMPACT

A company using 1 million pounds of Republic Services' rPET flake in its beverage bottles would:

Divert 1.42M lbs from landfills

The weight of 5 blue whales



Avoid energy consumption

Equivalent to the annual electricity usage of **55 homes**
Compared to other U.S. rPET processes



Avoid CO₂ emissions

Equivalent to taking **2,113 cars** off the road each year
Compared to virgin PET

