



SUSTAINABILITY AT **PHILLIPS 66**

# PURPOSE AND PROGRESS

## WASTE MANAGEMENT AND RECYCLING

In 2018, Phillips 66 piloted a project in partnership with **STC Industrial** to sustainably manage hazardous refinery waste from tank cleaning projects. When refinery tanks are cleaned, we must dispose of the residual product. More than 10 million pounds of waste from our sites in California, Louisiana and Texas was moved to locations where it can be used as an alternative fuel source for kilns in the cement manufacturing industry.

Cement manufacturing requires mixing limestone with clay or shale and then heating it to 2700°F. Recycled waste from the refinery tank cleanings can be used to fire the cement kilns. This method leaves no ash, so there's nothing going to a landfill. And the process yields measurable results: In just one year, the pilot project kept more than 2,500 tons of waste out of landfills and provided more than 866,000 gallons of waste-derived fuel for the kilns.

We track every raw material used in our manufacturing process at more than 85% of our lubricants plants. In 2018, we recycled nearly 1,100 tons of scrap material, including cardboard, bottles, cans, pallets and shrink wrap.

# 10MM

POUNDS OF WASTE  
USED FOR FUEL

# 2,500

TONS OF WASTE KEPT  
OUT OF LANDFILLS

# 866M

GALLONS OF  
WASTE-DERIVED  
FUEL FOR THE KILNS

M = thousand • MM = million

WASTE MANAGEMENT	2014	2015	2016	2017	2018
Recycled Materials <sup>7</sup> (gross tonnes)	197	209	165	175	141