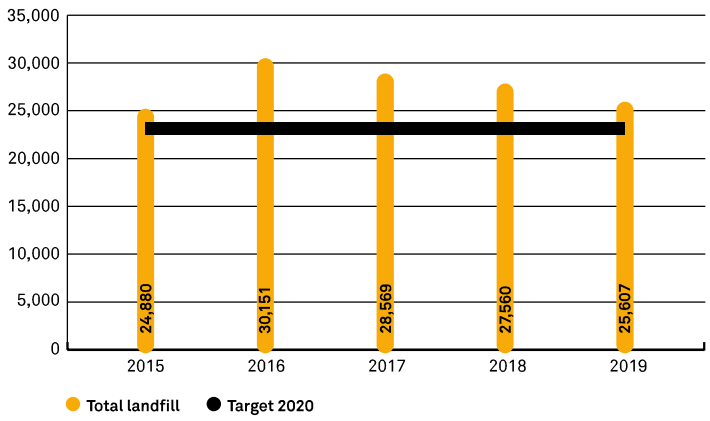
Reducing Landfilled Waste

We have implemented a variety of measures to **minimize what we send to the landfill,** including data collection, better waste segregation, technology, and teamwork.

Constellium has put programs in place at all our sites to reduce landfilling, increase reuse and recycling, and minimize the environmental impact of our waste on soil, air, and water. In 2019, we disposed of 7% less production waste than the year before, preventing nearly 2,000 metric tons from ending up in landfill (see page 66, key indicators [1]).
We focus most of our efforts on seven plants that generate over 98% of the production waste sent to landfill: Muscle Shoals, Ravenswood, and Van Buren (U.S.); Issoire, Neuf-Brisach, and Ussel (France); and Děčín (Czech Republic).
Since waste streams depend on each plant's activity, size, and location, we employ different procedures at our various sites. Děčín introduced new technologies into its processes, resulting in a recycling increase of 14% and a reduction of 477 metric tons in discarded dross[2].
Ravenswood initiated a program to improve waste segregation and address flue gas dust. Ussel treats and reuses sand that has been used for casting, while disposing of fine particles. Muscle Shoals and Děčín have hired external suppliers to manage their biggest sources of waste and increase recycling.
To reduce waste from product packaging, Muscle Shoals is replacing the heavy cardboard cores in aluminium sheet coils with aluminium ones that we retrieve and recycle. This practice reduced the amount of waste our customers sent to landfill by 550 metric tons in an eight-month period.
We will keep working with our partners and networks to find new and creative solutions to reduce our municipal and industrial landfilled waste, including flue gas dust, for which there is currently no satisfactory recycling technology.

CONSTELLIUM PRODUCTION WASTE SENT TO LANDFILL (T/Y)[1]



2020 TARGET	2019 ACCOMPLISHMENTS	NEXT STEPS
• Reduce production waste going to landfill by 10% vs. 2015 ○○○	• The quantity of production waste we sent to landfill decreased by 7% as compared with 2018	• Continue to implement solutions to reduce waste generation and increase recycling

(1) The percentage of production waste reduction compared with the previous year and the recorded production waste have been reviewed by PwC as part of the non-financial performance statement. (2) A layer of intimately mixed aluminium, aluminium oxides, and gas on the surface of molten aluminium. Dross is generated in casthouse furnaces and during remelting/refining.