Reinvestment needs by 2030 and direct employment in cement, steel and basic chemicals in the EU

Reinvestment requirements for primary production capacity in EU27 by 2030 100% 100% 100% 53%* 48% 30%** 24 50 45 10 104 183 Mt Mt Mt Mt Mt 0 Chemicals Cement Steel Reinvestment Reinvestment required required reauired Total Total Total by 2030 by 2030 production by 2030 production production capacity capacity capacity

People directly employed by the sectors in 2017

600,000 519,000 500,000 400,000 300,000 300,000 200,000 100,000 47,000 0 Steel Chemicals Cement (basic chemicals)

Source: Eurostat, 2020

Agora Energiewende/Wuppertal Institute, 2020

- * Steam crackers are normally maintained and modernised continuously so that they do not have to be replaced all at once. Nevertheless, the graph provides a rough estimate of the reinvestment needs for existing facilities.
- ** Cement data represent numbers for Germany only. We estimate that the reinvestment requirements for the EU27 are in a similar range.

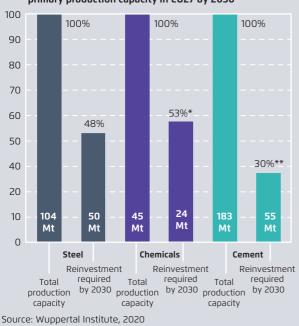


Figure ES.3