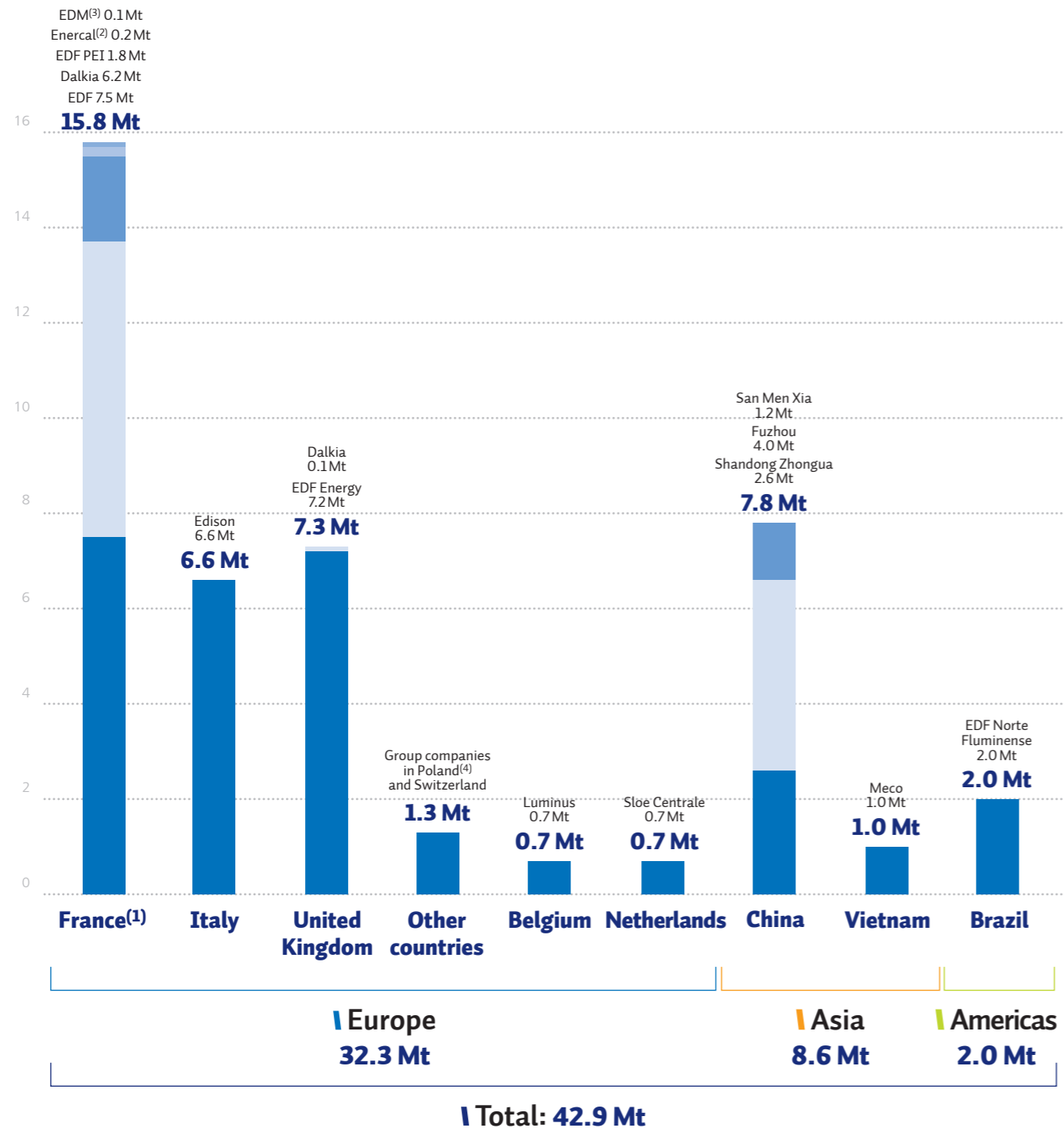


EDF group's CO₂ emissions in 2018

An outstanding carbon performance

CO₂ emissions of EDF group companies linked to electricity and heat generation in Mt



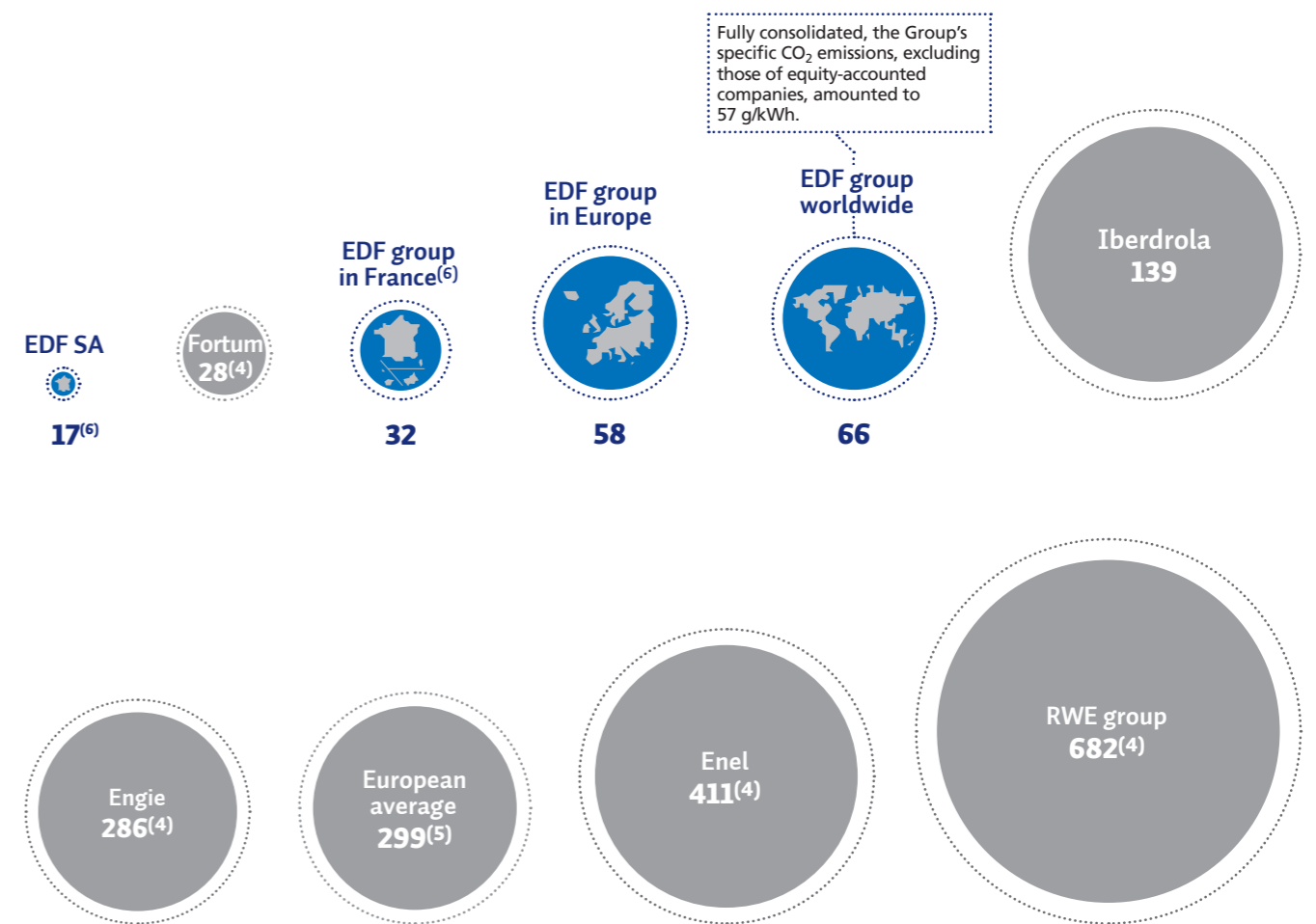
The values correspond to the expression to the first decimal or integer closest to the sum of the precise values, taking into account rounding.
 (1) Including small hydropower plants in France and assets in overseas France.
 (2) Enercal: electricity generation and distribution subsidiary in Nouméa, New Caledonia.
 (3) EDM: Electricité de Mayotte.
 (4) EDF sold its Polish companies but continues to operate in Poland through Dalkia and Edison.

EDF group is one of the world's leading energy producers, not only in terms of net installed capacity and electricity generation, but also in terms of carbon performance, with very low CO₂ intensity, currently at 66 g/kWh produced.⁽¹⁾ This makes the Group the undisputed leader of the electricity sector, where average global emissions stand at around 490 g/kWh.⁽²⁾

Data consolidated according to EDF's percentage ownership, including associates and joint ventures. Calculating net consolidated emissions gives an overall view of all of EDF's assets, as each plant is included according to EDF ownership.

The reduction in EDF group's direct greenhouse gas emissions between 2017 and 2018 (88 g/kWh produced in 2017 compared with 66 g/kWh in 2018) is mostly linked to the sale of EDF Polska's coal-fired plants in Poland, as well as more favourable conditions, such as very high rainfall in Europe and a significant improvement in the availability of French nuclear plants. Although up in 2018, the average price of CO₂ would have made it possible to further reduce CO₂ emissions by modifying the Group's merit order,⁽³⁾ and therefore the use of fuel oil and coal-fired plants.

Comparison of specific CO₂ emissions of EDF group and a panel of European electricity utilities⁽⁴⁾ g/kWh



(1) Direct emissions excluding the life cycle analysis of generating plants and fuel.
 (2) Source: International Energy Agency, 2018 (2016 figure is the most recent).
 (3) Ranking of generation facilities (nuclear, fossil-fired, hydro, wind, etc.) by availability and price, establishing the order in which their output is fed into the network.
 (4) Source: PwC study "Climate Change and Electricity: European carbon factor. Benchmarking of CO₂ emissions by Europe's largest electricity utilities", December 2018.
 (5) The most up-to-date data available for CO₂ emissions from fossil-fired plants in EU-28. "CO₂ Emissions from Fuel Combustion", International Energy Agency, 2018 (2016 data).
 (6) EDF generation and sale in mainland France, Corsica and overseas France.