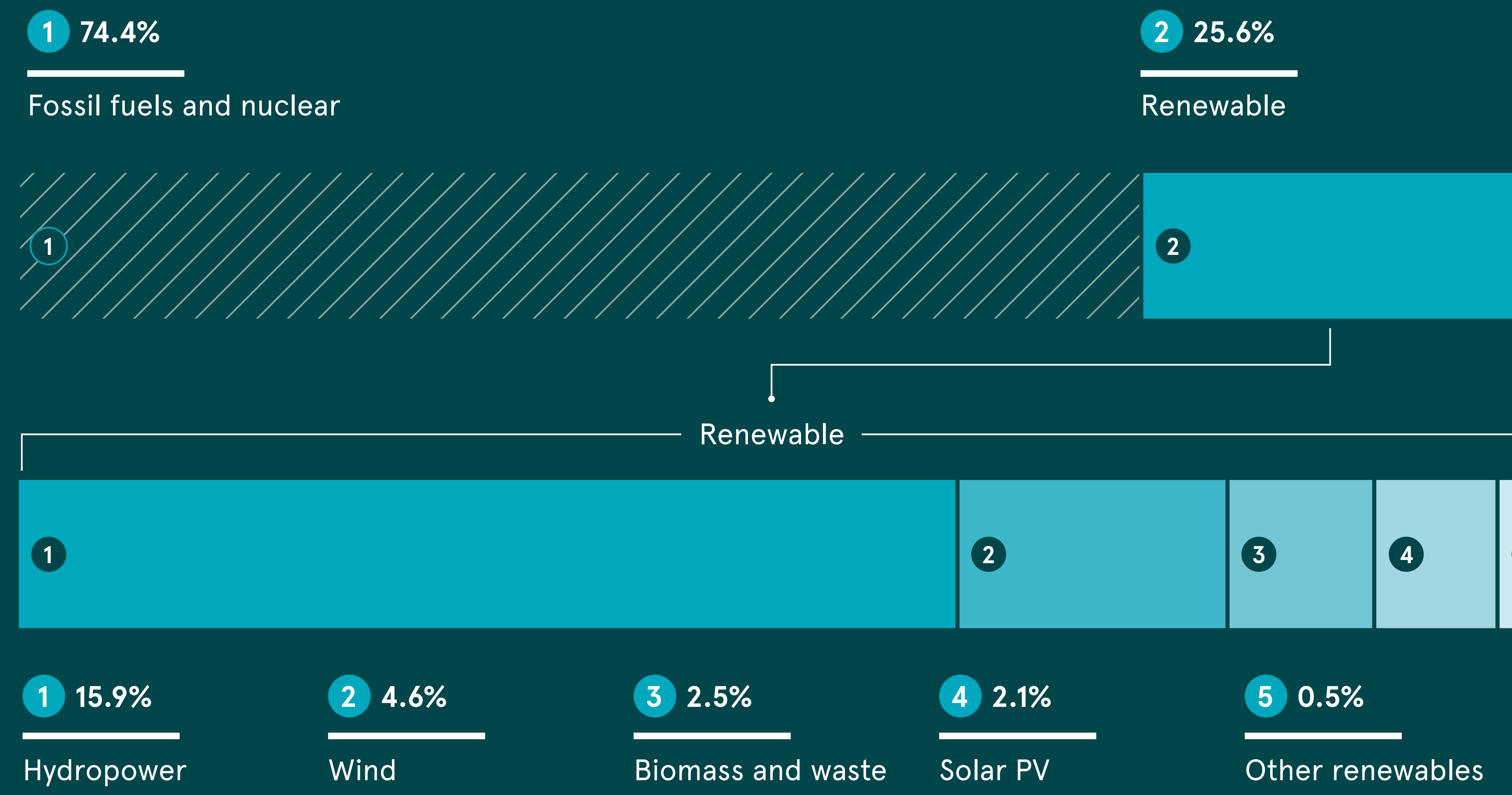


THE POWER OF WATER

With electricity generation from hydropower sources reaching record heights in 2018, can hydropower help solve the climate crisis?

HYDROPOWER: WORLD'S LARGEST SOURCE OF RENEWABLE ELECTRICITY GENERATION

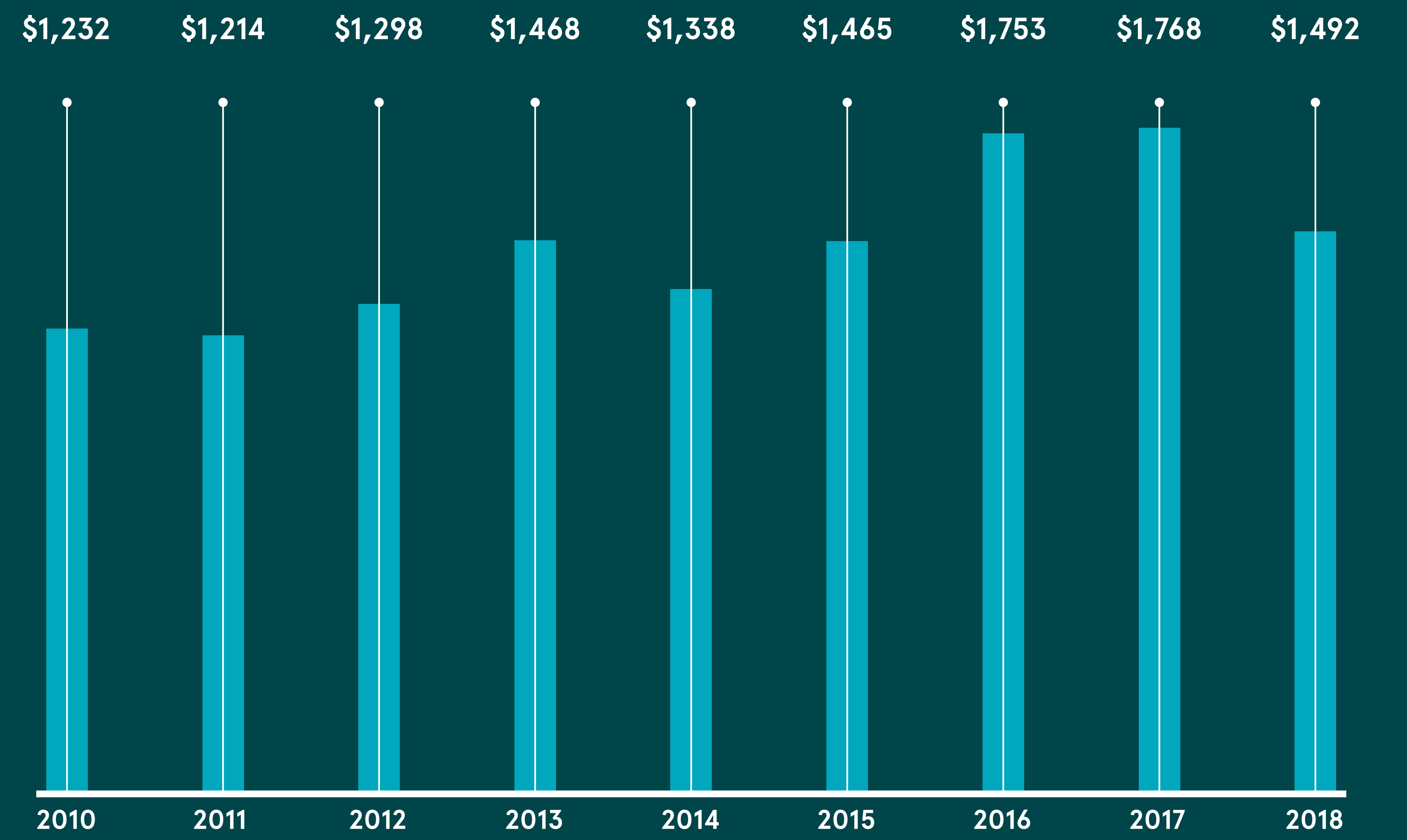
Breakdown of global electricity generation



IPCC 2014 / International Hydropower Association 2018

GLOBAL AVERAGE INSTALLED COST OF HYDROPOWER PROJECTS (\$/kW)

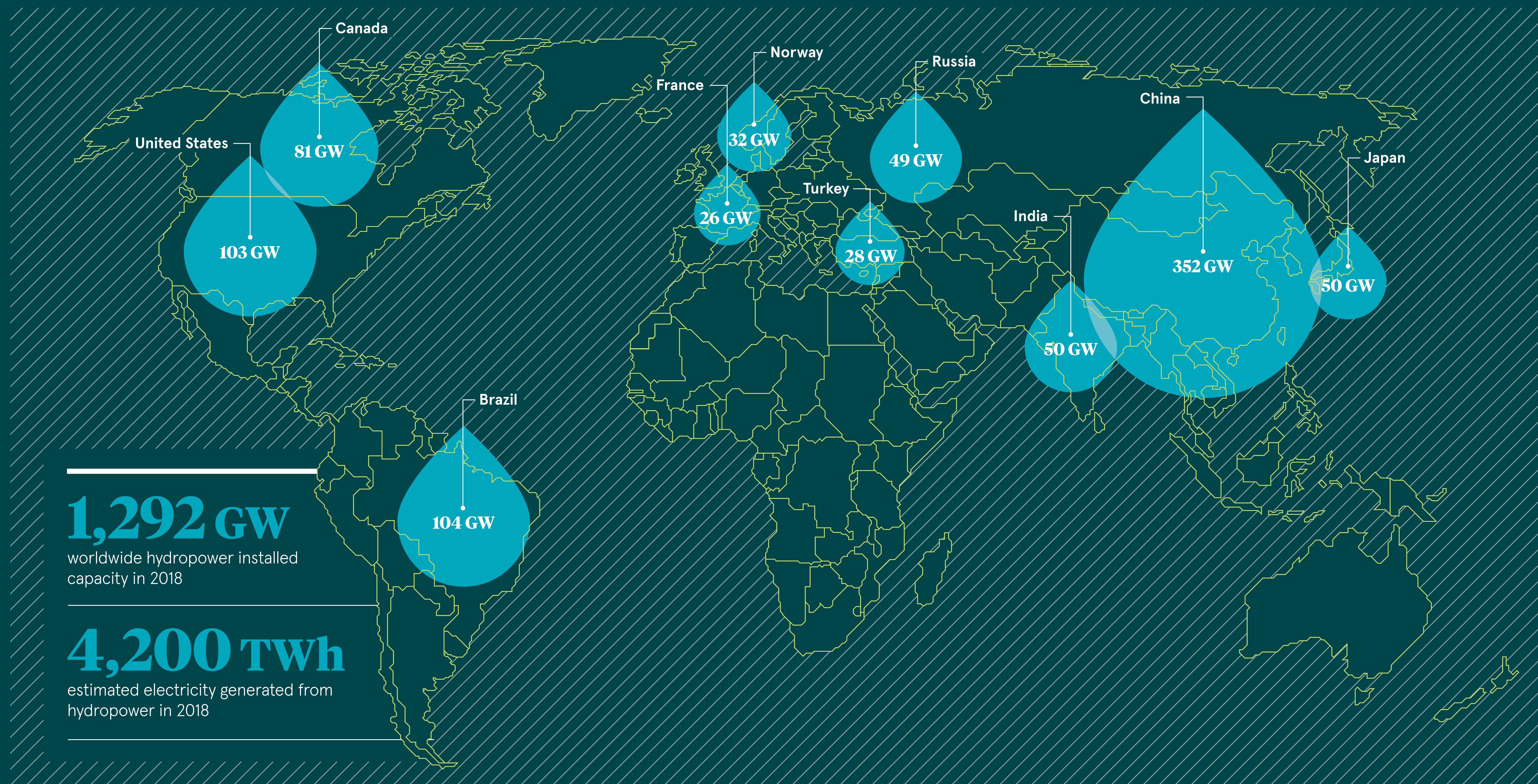
In 2018, the average cost of hydropower projects declined by 16 per cent, suggesting that hydro projects are becoming more affordable



IRENA 2019

TOP TEN COUNTRIES FOR HYDROPOWER CAPACITY

Total hydropower capacity for 2018 (GW)



1,292 GW

worldwide hydropower installed capacity in 2018

4,200 TWh

estimated electricity generated from hydropower in 2018

International Hydropower Association 2018

Hydropower is not without its downsides, having a significant impact on people, communities and the environment. The development of the Three Gorges Dam saw:

1.2 million

people displaced

13

cities flooded

140

towns flooded

1,350

villages flooded

International Rivers 2019

100 megatons

of carbon has ended up in the atmosphere in the past 15 years, according to scientists estimations, because hydroelectric power has failed during drought

IOP Science 2019