

# Combating climate change

Our organisation represents a strategic partnership between a global solar leader and one of the world's largest energy companies. We have a strong track record in funding, developing and operating solar projects. We firmly believe that renewable energy, including solar, is the key to addressing the 'dual challenge' – creating more energy while reducing emissions and combatting climate change.

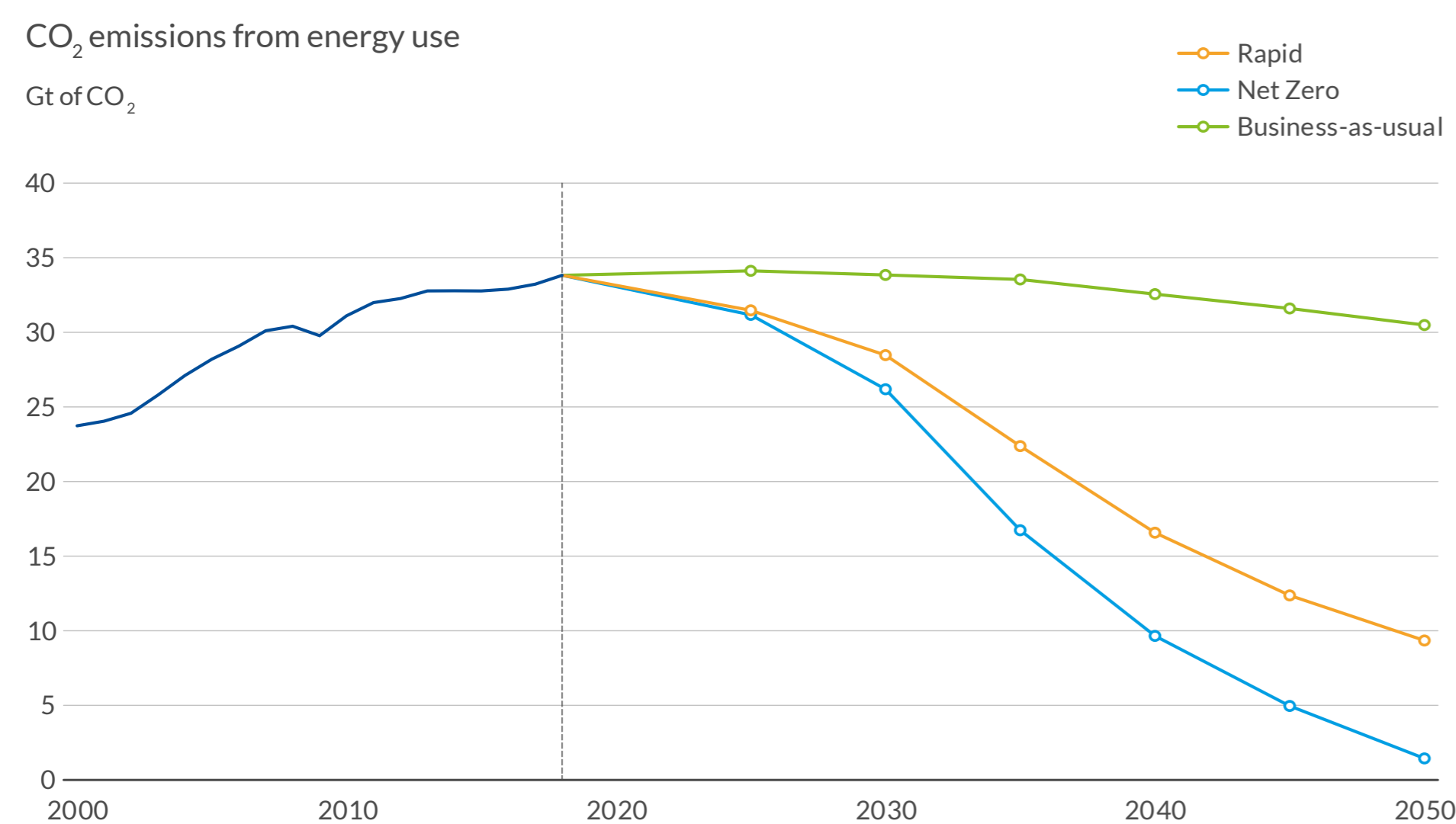
## Doing our part

### Delivering solar power for our world

We are now facing a dual challenge – the world needs more energy, but we need to lessen our carbon emissions. The energy system needs to make the transition to cleaner sources and renewables have to play a key role in order to address climate change.

This graph, from bp's Energy Outlook 2020, sets out various scenarios based on the rate of the energy transition. A rapid transition from traditional energy sources to renewables could see levels of carbon emissions fall by around 70% by 2050. Renewables will need to be the dominant source of energy by 2050 if these targets are to be met.

### Three scenarios to explore the energy transition to 2050



## Why solar?

### It's scalable, flexible and quick to deploy



#### Renewable

Solar panels produce electricity by transforming the continuous flow of energy from the sun to electricity.



#### Clean energy generation

No harmful emissions are released into the air when electricity is produced.



#### Quick to deploy

Compared with nuclear or coal power stations that can take decades to develop, solar farms are relatively quick to deploy with construction lasting months rather than years.



#### Boosting biodiversity

Opportunities to enhance flora & fauna.



#### Local energy generation

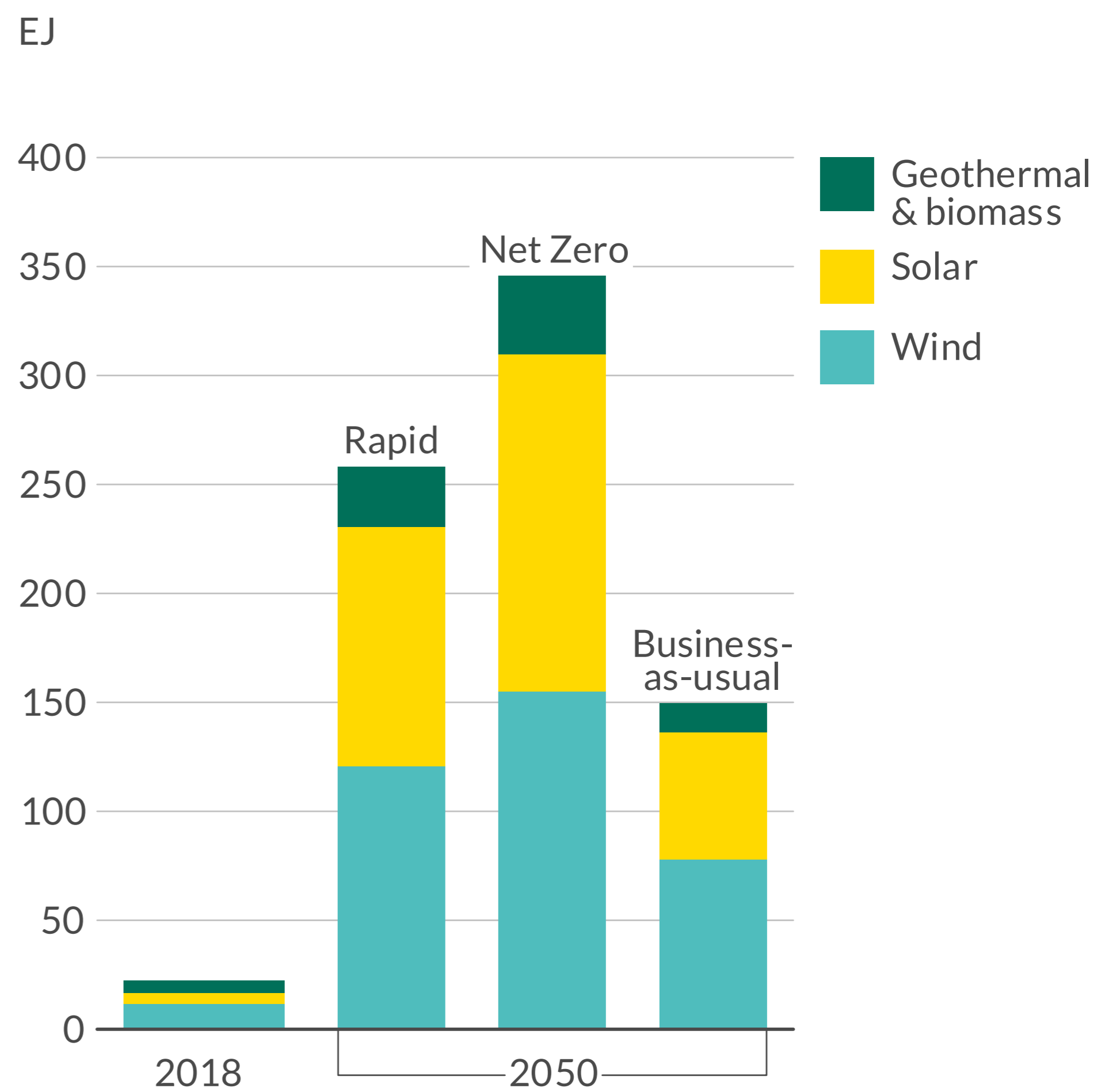
Increasing homegrown energy security by reducing fossil fuel dependency.



Climate change is an urgent issue that will affect us all, but if we all work together to take the necessary steps to counter rising global temperatures, we will be able to limit the damage over the coming years.

Renewable energy is set to grow quickly, driven by falling costs of production and policies encouraging a shift to lower-carbon energy sources.

### Renewable energy used in global power sector



Source: bp energy outlook 2020