

# Klimatske promjene

Zašto više ništa nije kao prije?



# Učinak staklenika



Sunce

Dio Sunčevog zračenja reflektira se od atmosfere i Zemljine površine

Dio Sunčevog zračenja prolazi kroz atmosferu

Atmosfera

Zemlja

Većinu zračenja apsorbira Zemljina površina i zagrijava se.

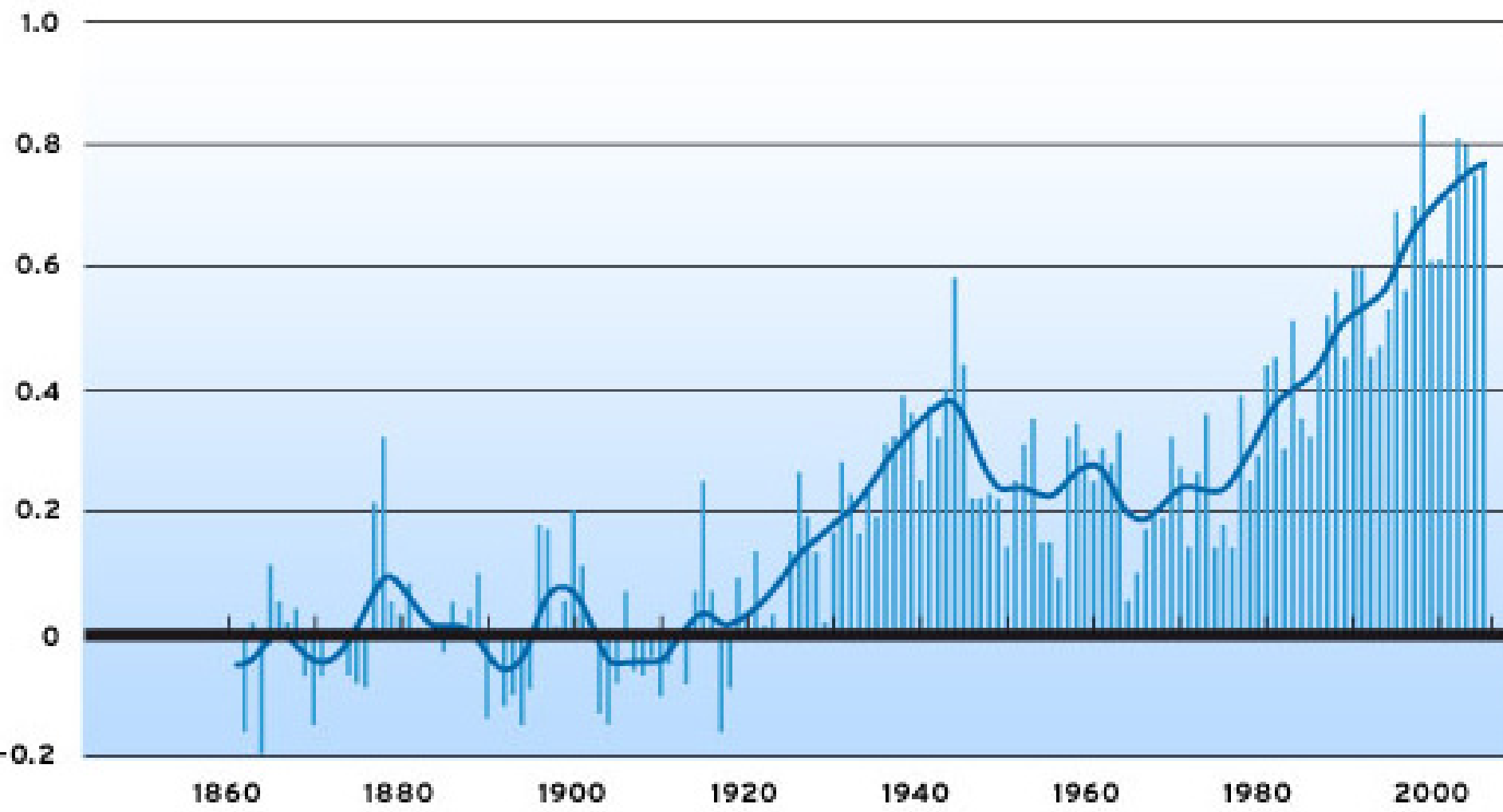
Zemljina površina emitira infracrveno zračenje

Dio infracrvenog zračenja prolazi kroz atmosferu, a dio apsorbiraju molekule stakleničkih plinova. One ga re-emitiraju u svim smjerovima, što uzrokuje zagrijavanje Zemljine površine i nižih slojeva atmosfere.

# Global average temperature, 1860–2000

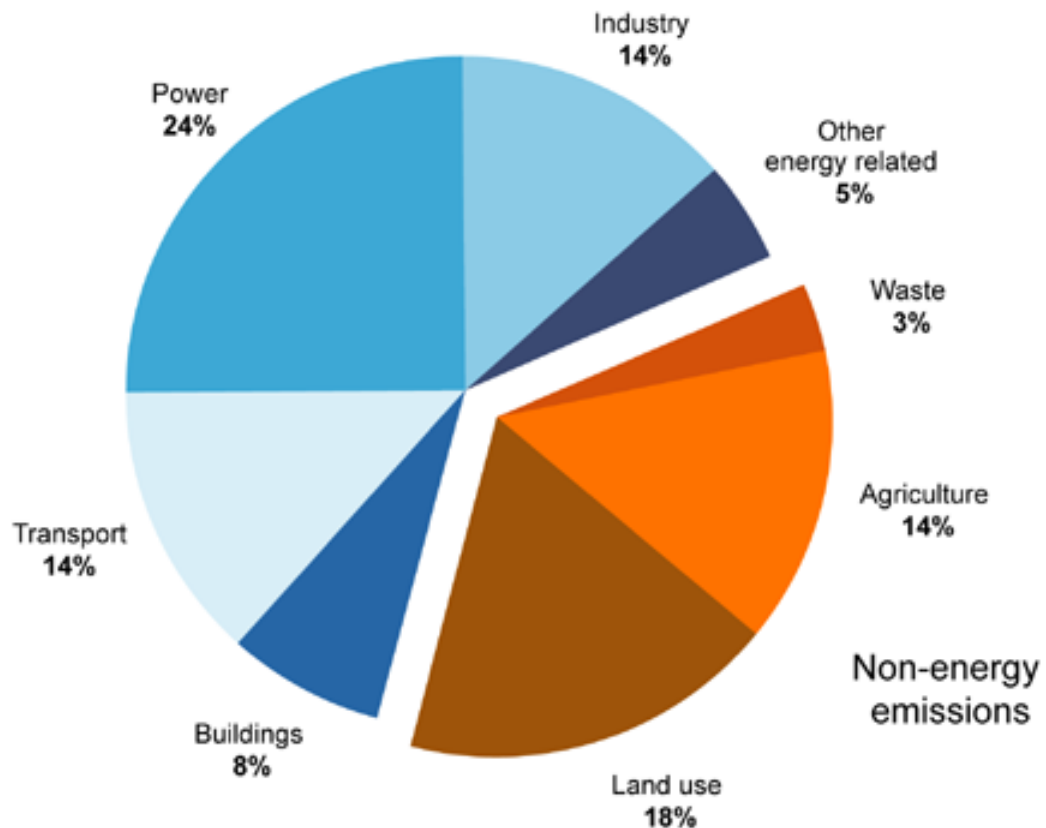
Temperature difference (°C) with respect to the end of the 19th century.

°C



## Sources of Greenhouse Gas Emissions as of 2000

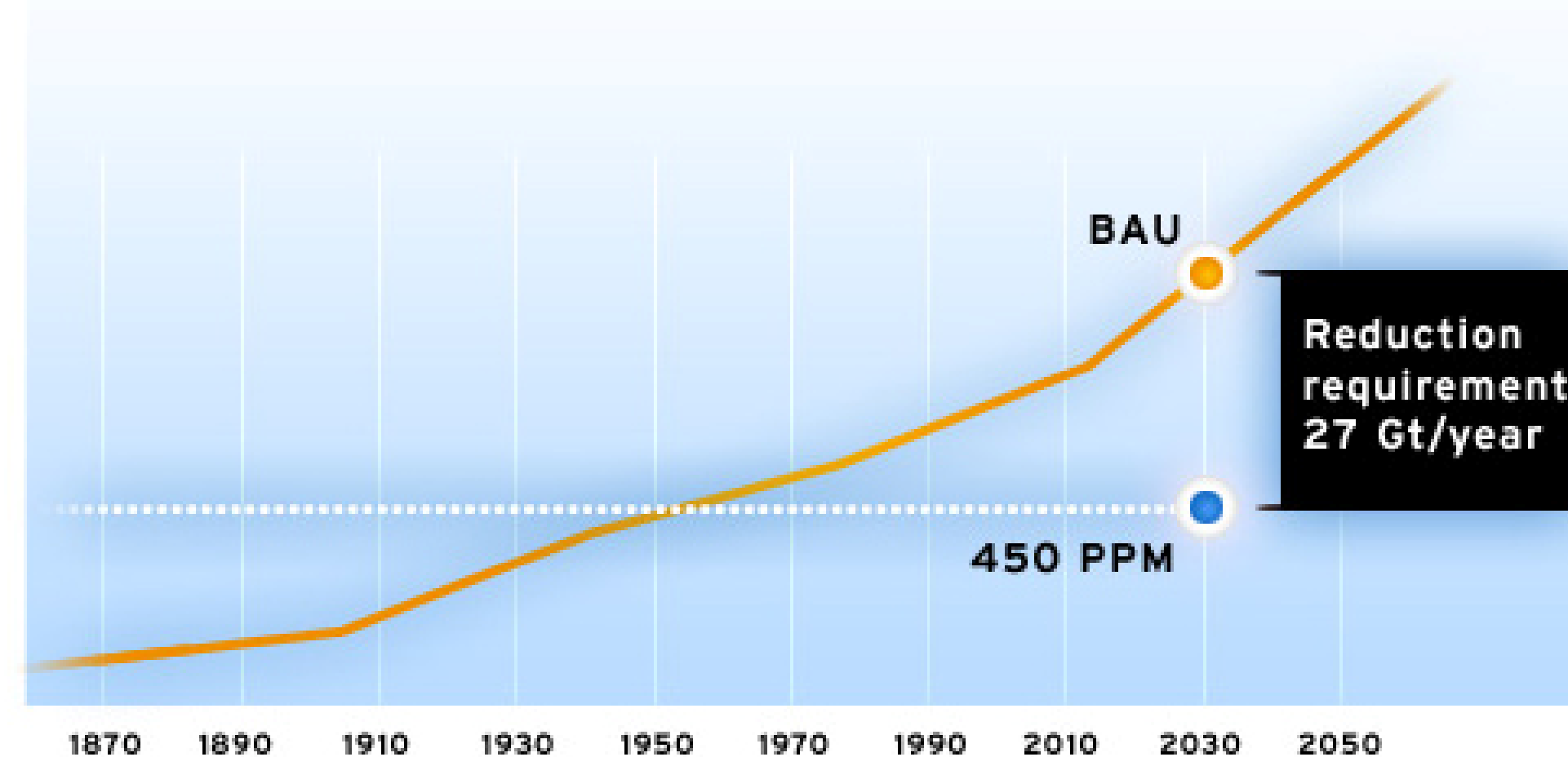
Energy accounts for 65% of emissions



Source: WRI (2006)

# Reduction requirement

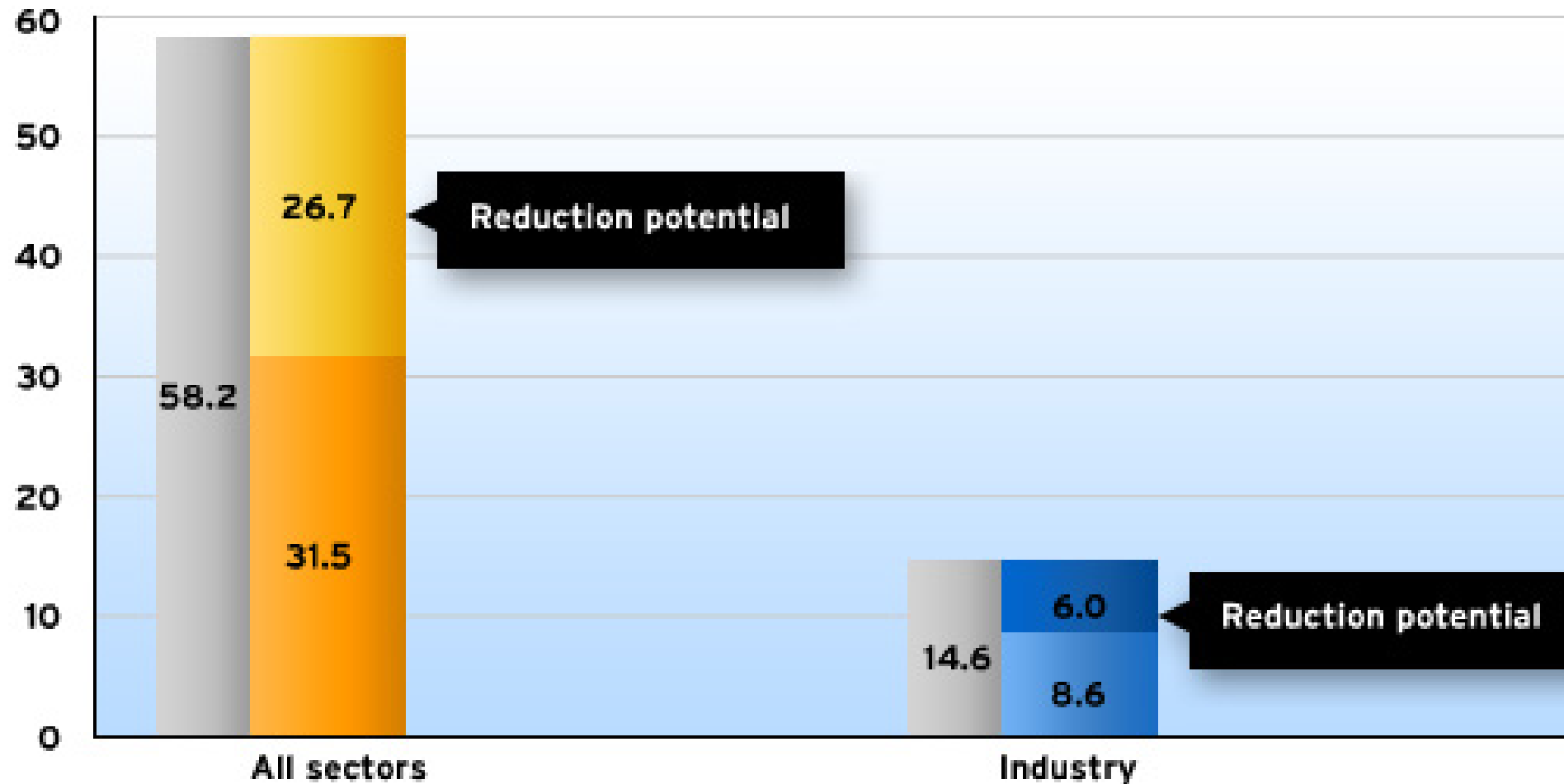
**Equivalent concentration of carbon dioxide**  
(ppmv)



# BAU and reduction potential for the Industry sector

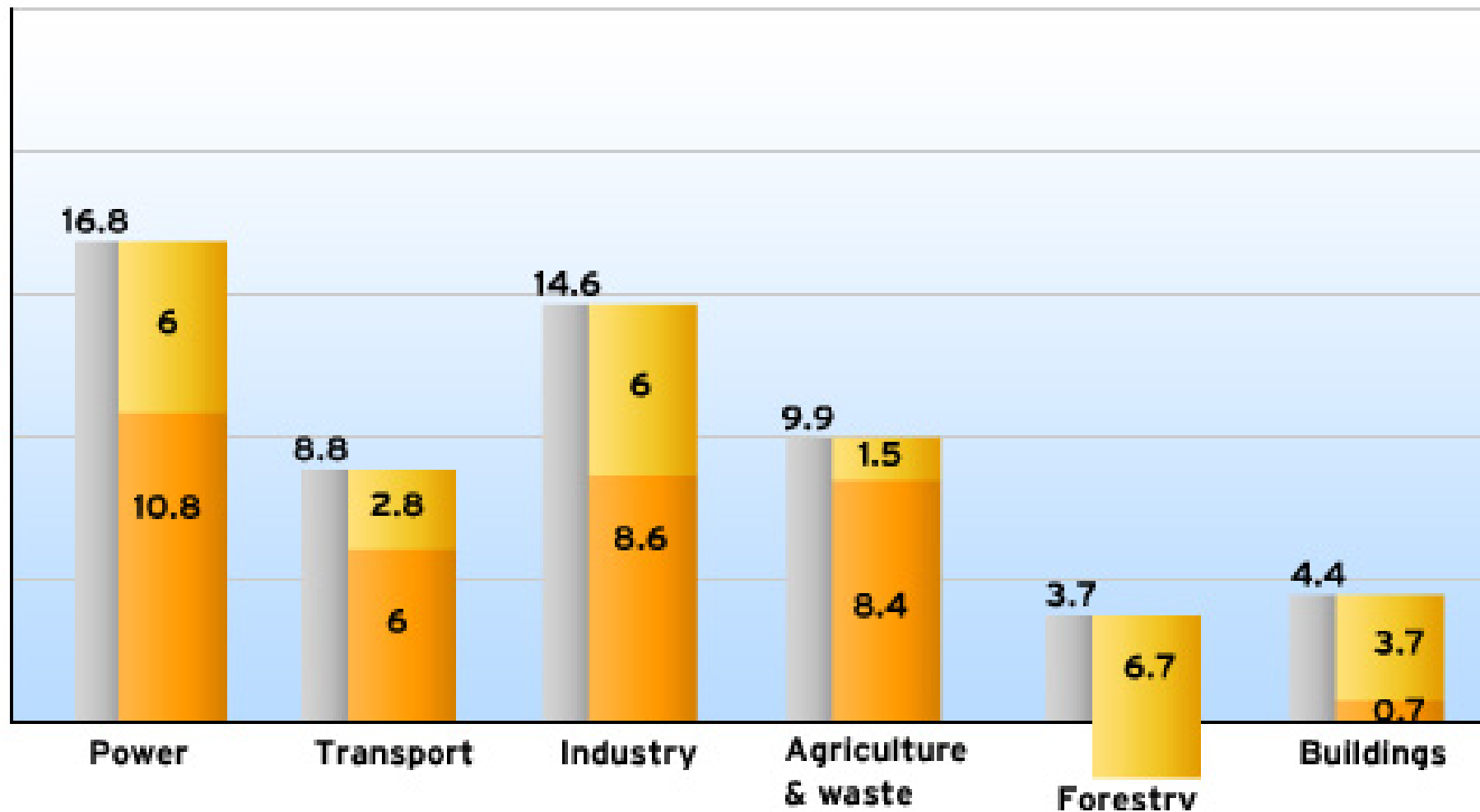
Gt CO<sub>2</sub>e / year in 2030

BAU All sectors Industry



# BAU and reduction potential for all sectors

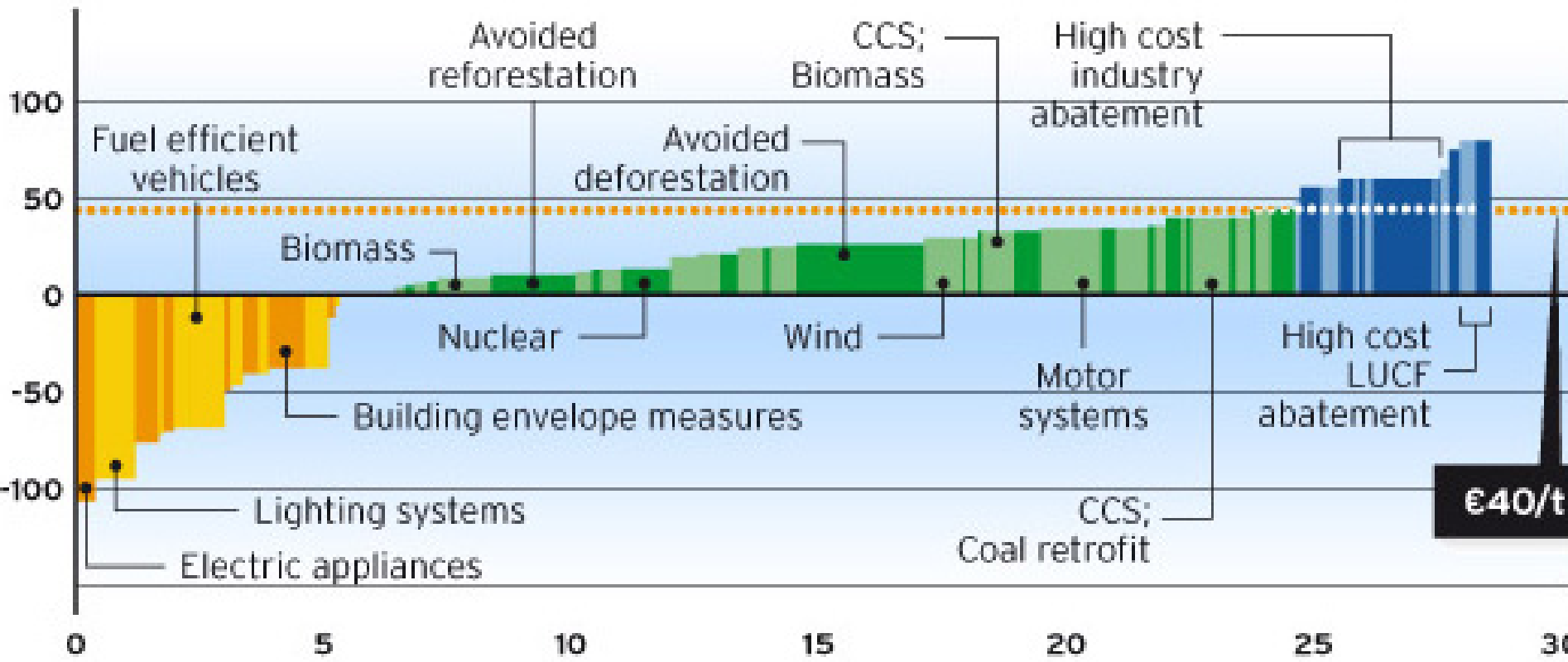
Gt CO<sub>2</sub>e / year in 2030



# Global cost curve

Marginal cost of abatement  
€ / t CO<sub>2</sub>

- Negative abatement marginal cost
- Abatement marginal cost below €40/t
- Abatement marginal cost above €40/t



Abatement potential  
Gt CO<sub>2</sub>/year in 2030