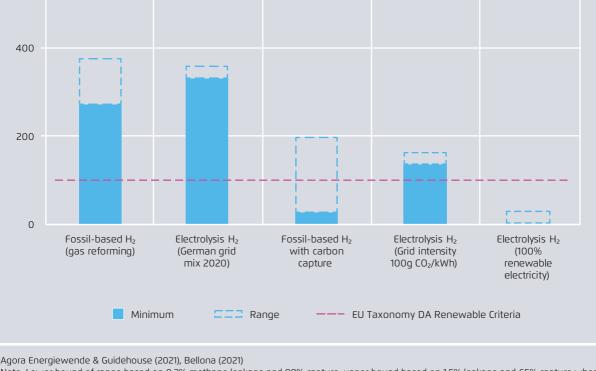


Figure 28

Lifecycle emission by H₂ type

[qCO<sub>2</sub>/kWh (LHV)]

600



Agora Energiewende & Guidehouse (2021), Bellona (2021) Note: Lower bound of range based on 0.2% methane leakage and 98% capture, upper bound based on 1.5% leakage and 65% capture where applicable. Electrolysis range includes 26 qCO<sub>2</sub>/kWh manufacturing emissions (currently) dropping to 0 by 2050, while for gas reforming the number is 2 gCO₂/kWh today and 0 in 2050.