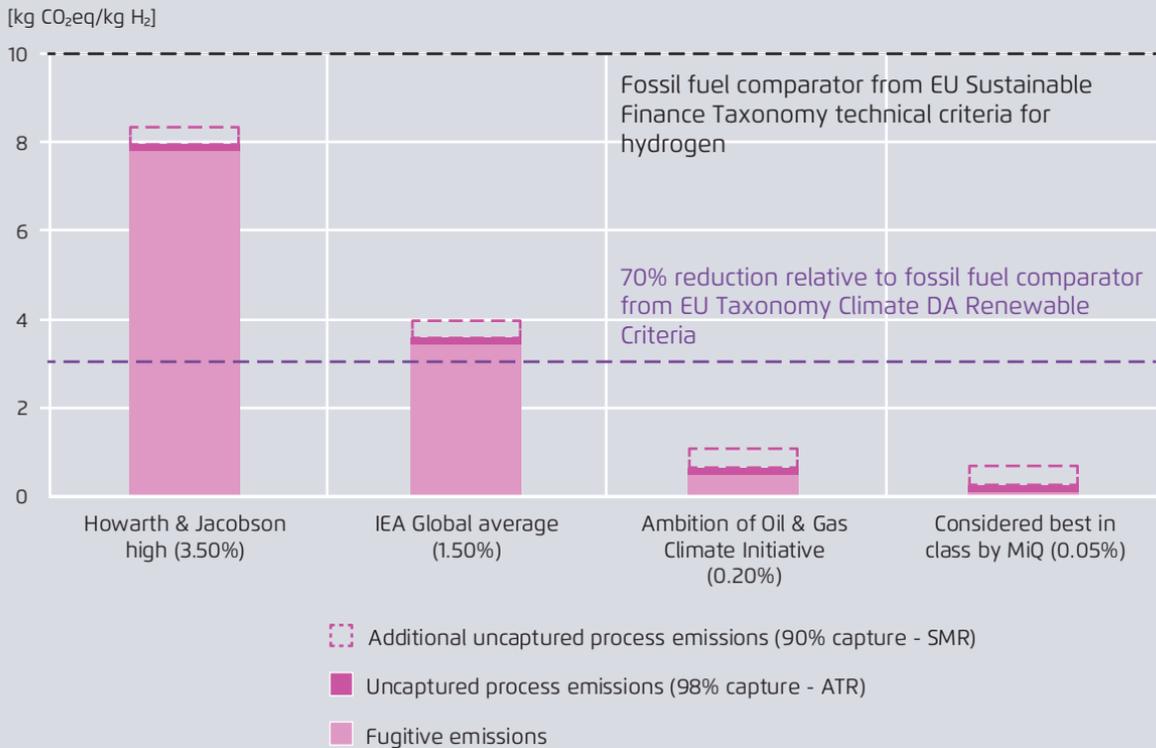


Total GHG emissions on a GWP 20 basis from fossil-based hydrogen with CCS  
(methane leakage as percentage of consumed gas in brackets)

Figure 27



ETC (2021), IPCC (2021), Robert W. Howarth, Mark Z. Jacobson (2021)

Note: The figure assumes GHG emissions factor of 82.5 used to reflect the global warming potential of methane over 20 years based on IPCC AR6. Note that the most commonly used GWP is GWP100. With GWP100, the GHG effect of fugitive emissions would be considerably smaller. OGCi = Oil and Gas Climate Initiative; DA = Delegated Act.