Electronic Supplementary Material (ESI) for Energy & Environmental Science. This journal is © The Royal Society of Chemistry 2023 DAC plant level LEGEND fixed O&M equipment labour, insurance data from literature cost maintenance plant index: geography dependent costing year to 2019 calculated output corrected equipment cost installation cost: 80% of corrected DAC process level equipment cost TDPC Total Direct Plant Cost energy prices indirect cost: 13% of TDPC EPC material engineering, procurement & prices construction process & project contingencies TPC variable Total Plant Cost O&M Owner cost: mass 20% of TPC values TOC M&E Total Overnight Cost values energy values CRF total **0&M** LCOC levelized cost of capture

> net levelized cost of capture

EF

emission factor

scope 2 CO2e