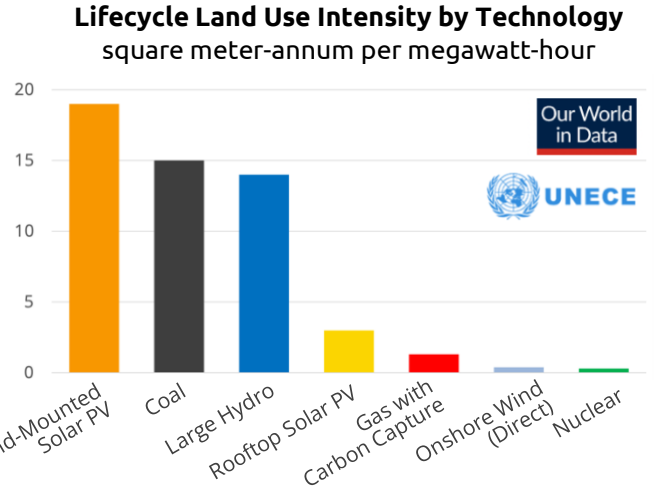
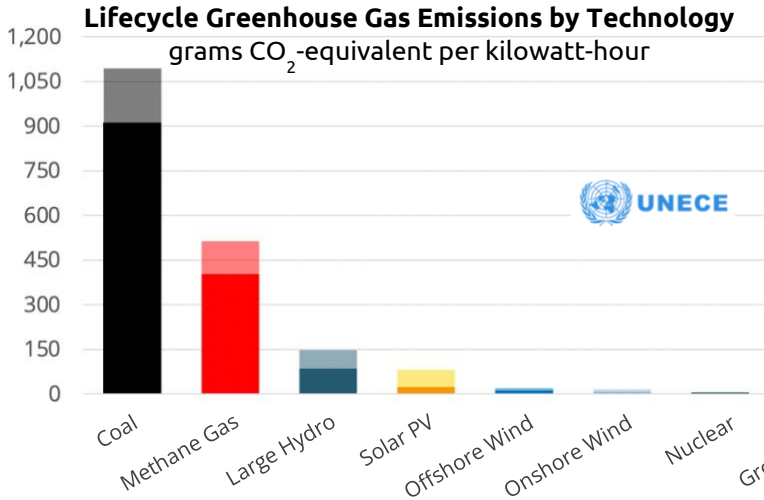
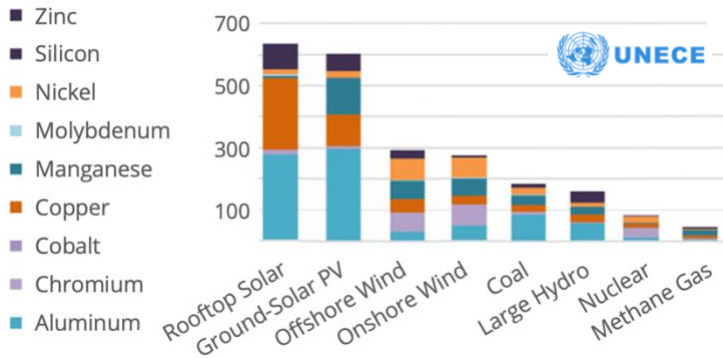


# People • Power • Planet



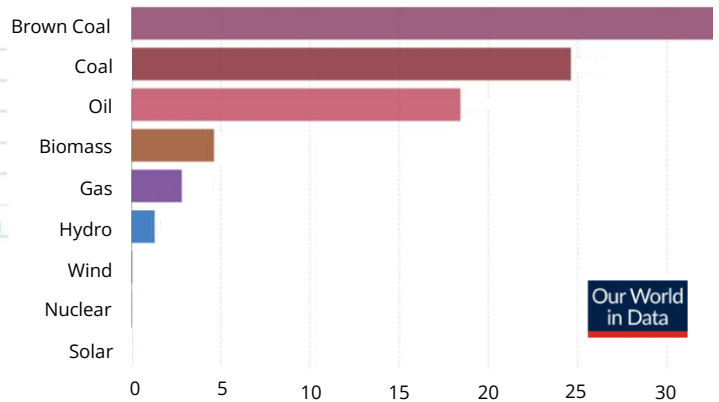
### Lifecycle Select Materials Use by Technology

grams per megawatt-hour



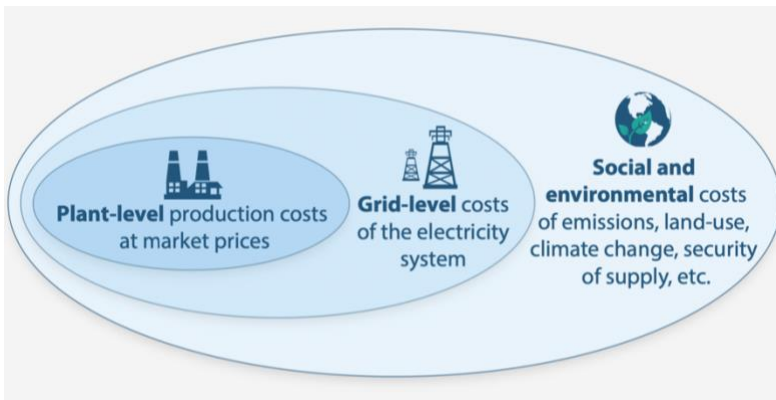
### Safety by Technology

deaths from accidents & air pollution per terawatt-hour



Beyond the social and environmental impacts of individual energy sources, integrating different types of carbon-free electricity incur varied grid-level costs. Firm resources — generators able to provide power on-demand regardless of the time of day or weather — like nuclear & hydro do not need extensive storage, transmission, and backup generation to ensure system reliability. System-level costs increase near-exponentially at high penetration of intermittent sources like solar & wind.

### System Costs of Electricity



### Grid-Level Costs of Decarbonization

