

		Life Span (years)	Reliability (Available 24/7)	Lead Time ¹ (years)	Lifecycle Emissions (gCO ₂ e/ <u>KWh</u>)	Physical Footprint	Generation Capacity ³
Solar ²		20		5+	46	Larger	Small
Wind ²		20		5+	12	Larger	Small
Natural Gas		30		5+	469	Smaller	Large
Hydro ²		100		7-10	4	Larger	Large
Nuclear ²		60		10+	16	Smaller	Large

Source: [CNA Factbook](#) (2023)

¹ Lead time includes project development, site selection, regulatory approvals, licensing and construction

² Technologies are GHG emissions free during power production

³ Amount of electricity produced per facility