

Dimension	Metric	Relevance	Ease of application	Input Data availability	Reliability	Comparative
Environmental	Total emissions	High	Hard	Generally available	High	Medium
	Carbon Intensity	High	Medium	Generally available	High	Easy
	Waste Footprint Component	Medium	Medium	Data availability varies	Moderate	Medium
	Water Footprint Component	Medium	Medium	Data availability varies	Moderate	Medium
	Natural resources depletion or Abiotic depletion	Medium	Hard	Data availability varies	Moderate	Hard
	Land Use Energy Intensity	Medium	Medium	Data availability varies	High	Easy
	Absolute Area of land converted	Medium	Medium	Data availability varies	Moderate	Medium
	Annual Land Transformation	Medium	Medium	Data availability varies	Moderate	Medium
	Lifetime Land Transformation	Medium	Medium	Data availability varies	Moderate	Medium
	Land-Use Efficiency	High	Medium	Generally available	High	Easy
	Energy Footprint	Medium	Medium	Data availability varies	Moderate	Medium
	Land Occupation Metric	Medium	Medium	Data availability varies	Moderate	Medium
	Carbon sequestration	High	Hard	Data availability varies	Moderate	Hard
	Technical	Renewable Energy fraction	High	Easy	Generally available	High
Residual Load Range		Medium	Easy	Generally available	Moderate	Easy
Surplus Energy		Medium	Easy	Generally available	Moderate	a
Power system flexibility		High	Medium	Generally available	High	Hard
Insufficient ramping resource expectation (IRRE)		Medium	Easy	Data availability varies	High	Medium
Energy Efficiency		High	Easy	Generally available	High	Medium
Total Final Consumption (TFC)		High	Easy	Generally available	High	Easy
Total Primary Energy (TPE)		High	Easy	Generally available	Moderate	Easy
LPSP Loss of power supply probability		Medium	Easy	Data availability varies	High	Hard
Energy Intensity		High	Easy	Generally available	High	Easy
Full Load Hours of Generation		High	Easy	Generally available	High	Easy
Net Energy ratio NER		High	Medium	Generally available	Medium	Medium
Loss-of-Load Hours (LOLH)		High	Medium	Generally available	Low	Easy
Loss of Load Expectancy		High	Medium	Generally available	Low	Hard
Loss of Load Probability		High	Medium	Generally available	Moderate	Medium
Loss of Load Events		High	Medium	Generally available	Moderate	Hard
Expected Unserved Energy (EUE)		High	Medium	Generally available	Moderate	Medium
Expected Energy Not Supplied		High	Medium	Generally available	Moderate	Medium
Energy Index of Unreliability (EIU)		High	Medium	Generally available	Moderate	Medium
Energy Index of Reliability (EIR)	High	Medium	Generally available	Moderate	Medium	
System Minutes	Medium	Medium	Generally available	Moderate	Medium	
Average Interruption Time (AIT)	High	Medium	Generally available	Moderate	Medium	

Scoring criteria:
High=3
Medium= Moderate=2
Easy= 3
Hard=1
Data Availability Varies= 1
Generally Available = 2

Social	Changes in Energy Expenditures	High	Medium	Generally available	Moderate	Medium
	Energy Burden	High	Medium	Generally available	Moderate	Medium
	Energy Access	High	Medium	Generally available	High	Easy
	Community Acceptance	High	Medium	Data availability varies	Moderate	Easy
	Occupational Pollutant Concentration	Medium	Easy	Generally available	High	Easy
	Proximity to Resource Extraction	High	Easy	Generally available	Moderate	Hard
Economic	Levelized Cost of Energy (LCOE)	High	Easy	Generally available	Moderate	Easy
	Cost of Valued Energy (COVE)	High	Medium	Generally available	High	Easy
	Real Gross Domestic Product (RGDP)	High	Medium	Generally available	High	Easy
	Jobs created per installed capacity	High	Medium	Generally available	High	Easy
	EPBT Energy payback time	High	Medium	Generally available	High	Easy
	Energy Return on Energy Investment (EROI)	High	Medium	Generally available	High	Easy
	Total net present cost	High	Medium	Generally available	Moderate	Easy
	Cost per Unit of Energy Saved	High	Easy	Generally available	Moderate	Easy
Political and Institutional	Public Participation in Energy Planning	High	Hard	Data availability varies	Moderate	Easy
	Renewable Energy Policies	High	Easy	Generally available	High	Medium
	Regulatory Certainty	High	Hard	Data availability varies	Moderate	Medium
	Institutional Capacity for Renewable Energy	High	Hard	Data availability varies	Moderate	Medium