

Key indicators, 2018

Population millions	82.7	GDP per capita US\$	41,902.3
GDP US\$ billions	3,466.6	GDP (PPP) % world GDP	3.32

Energy Transition Archetype

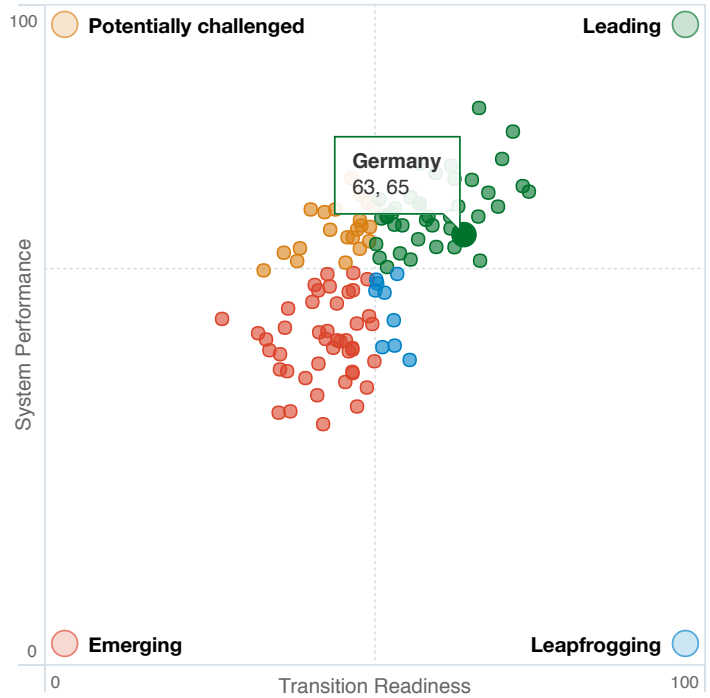
System Performance 65 (43rd)

Sub-category index	Weighting	Score	Rank
Energy Access & Security	33%	89	(14th)
Economic Growth & Development	33%	55	(83rd)
Environmental Sustainability	33%	51	(61st)

Transition Readiness 63 (11th)

Institutions & Governance	17%	85	(8th)
Human capital & consumer participation	17%	63	(6th)
Infrastructure & Innovative business environment	17%	82	(6th)
Capital & Investment	17%	72	(5th)
Regulation & Political commitment	17%	68	(8th)
Energy system structure	17%	11	(110th)

Archetype



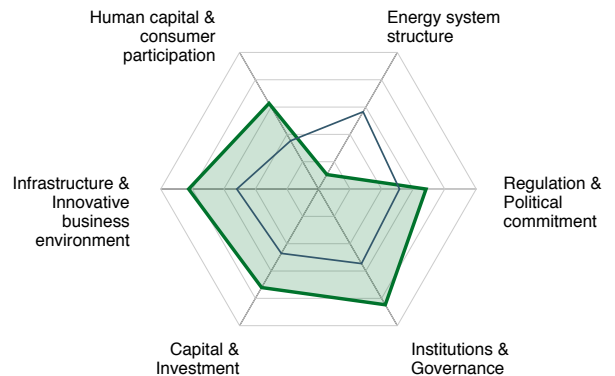
Energy Transition Overall Assessment

Germany Global Average

System Performance



Transition Readiness



Energy Transition Index 2018 Edition

Index Component	Weighting	Rank /114	Score*
Subindex: System Performance 0 - 100 (best)	50%	43rd	65.1
Economic Growth & Development 0 - 100 (best)	33%	83rd	55.4
Household electricity prices USDc/kWh (PPP)	14%	82nd	38.59
Electricity Prices for Industry USDc/kWh	14%	110th	28.50
Wholesale gas price USD/MMBTU	14%	63rd	5.20
Energy subsidies %GDP	14%	60th	0.08
Not priced cost of externalities %GDP	14%	27th	1.34
Fuel Exports %GDP	14%	70th	0.97
Fuel imports %GDP	14%	44th	2.92
Environmental Sustainability 0 - 100 (best)	33%	61st	50.7
Particulate matter (2.5) concentration Micrograms per cubic meter	25%	25th	14.0
Energy Intensity MJ/\$2011 PPP GDP *IEA World Energy Balances, 2017	25%	31st	4
CO2 per capita tonnes per capita *IEA CO2 Emissions from Fuel Combustion, 2017	25%	96th	8.9
CO2 per TPES kg / GJ *IEA CO2 Emissions from Fuel Combustion, 2017	25%	81st	56.5
Energy Access & Security 0 - 100 (best)	33%	14th	89.3
Electrification rate % of Population	17%	1st	100.0
Access to Clean Cooking Fuels % of Population	17%	1st	100.0
Energy imports, net % of energy use	17%	87th	61.40
Diversification of Import Counterparts (Herfindahl Index) 1-0 (best)	17%	23rd	0.12
Diversity of TPES (Herfindahl index) 1-0 (best) *IEA World Energy Balances, 2017	17%	8th	0.12
Quality of Electricity Supply 0-8 (best)	17%	1st	8.0
Subindex: Transition Readiness 0 - 100 (best)	50%	11th	63.4
Regulation & Political commitment 0 - 100 (best)	17%	8th	68.2
NDC commitment 0-1 (best)	20%	58th	0.50
Stability of policy 1-7 (best)	20%	9th	5.59
RISE energy efficiency score 0-100 (best)	20%	6th	77.0
RISE renewables score 0-100 (best)	20%	3rd	89.0
RISE access score 0-100 (best)	20%	n/a	n/a
Institutions & Governance 0 - 100 (best)	17%	8th	84.7
Rule of Law 0-100 (best)	33%	16th	73.2
Transparency 0-100 (best)	33%	10th	81.0
Credit Rating 0-1 (best)	33%	1st	1.00
Capital & Investment 0 - 100 (best)	17%	5th	72.1
Investment Freedom Index score 0-100 (best)	25%	18th	80.0
Access to credit 0-100 (best)	25%	26th	70.0
Investment in Energy efficiency % of total investment *IEA, 2016	25%	1st	28.61
Renewable capacity buildout % of installed capacity	25%	28th	3.23
Infrastructure & Innovative business environment 0 - 100 (best)	17%	6th	82.3
Logistics performance Index 0-100 (best)	25%	1st	4.2
Quality of transportation infrastructure 1-7 (best)	25%	11th	5.72
Availability of technology 1-7 (best)	25%	13th	5.92
Innovative business environment 1-7 (best)	25%	3rd	5.11
Human capital & consumer participation 0 - 100 (best)	17%	6th	62.7
Jobs in low-carbon industries % of total jobs	50%	7th	0.78
Quality of education 1-7 (best)	50%	10th	5.39
Energy system structure 0 - 100 (best)	17%	110th	10.6
Energy per capita GJ per capita *IEA, 2014	20%	88th	157.8
Share of electricity from renewable generation % of total electricity generation	20%	54th	26.13
Share of electricity from coal generation % of total electricity generation *IEA, 2014	20%	95th	43.68
Flexibility in electricity system 0-100 (best) *IEA, 2014	20%	106th	13.2
Share of global fossil fuel reserves CO2 emissions Billions MT	20%	105th	74.9

* Indicators succeeded with an asterisk are sourced from the noted external organisation.

** Scores are on a 0 to 100 scale, where 100 is best, unless indicated otherwise.

Note: for detailed definitions, sources, and periods, consult the interactive Country/Economy Profiles and Rankings at <http://etri.weforum.org/>