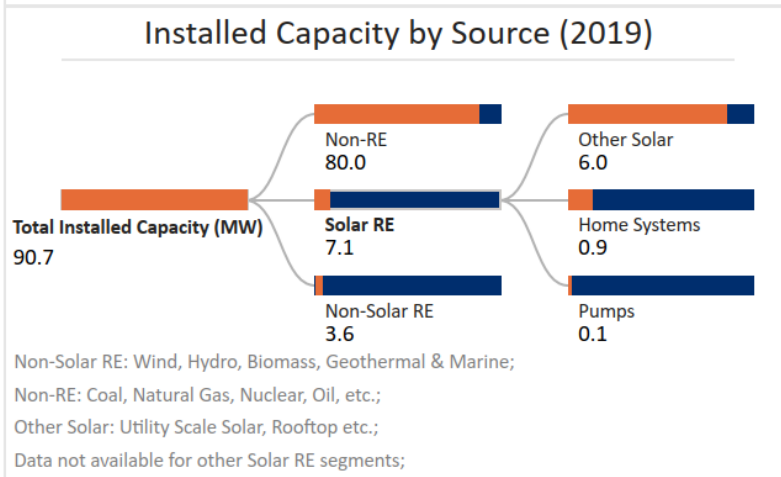
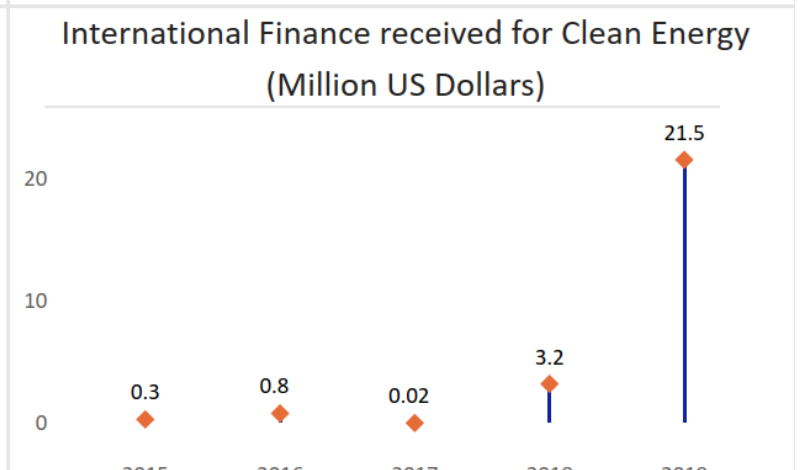
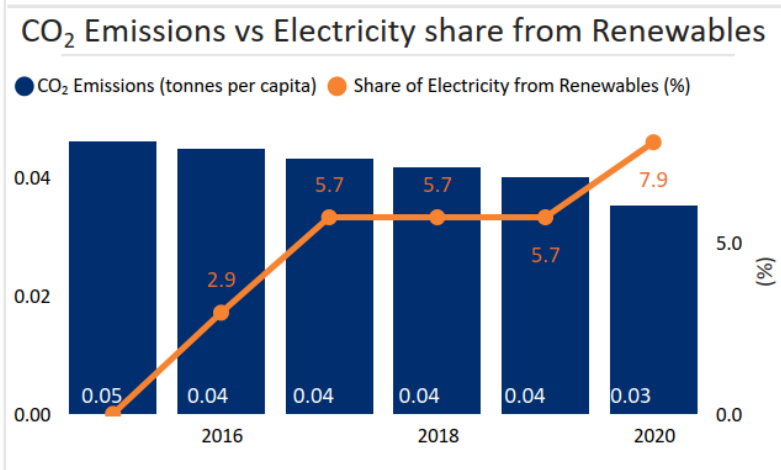
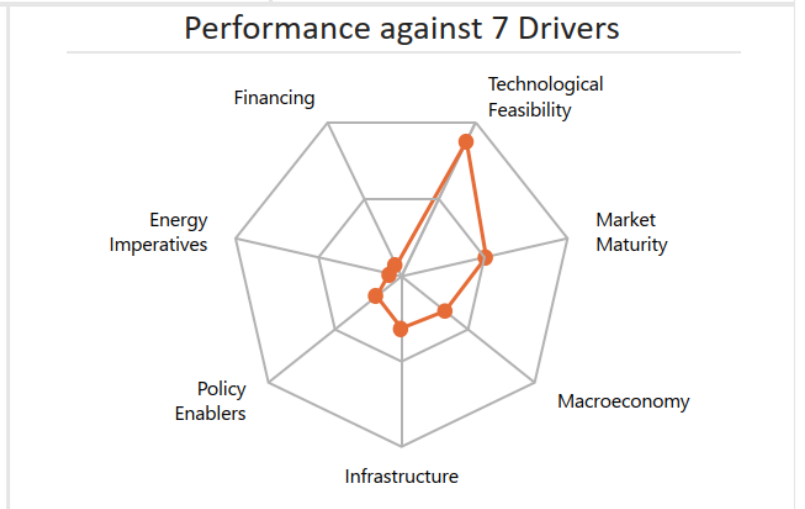
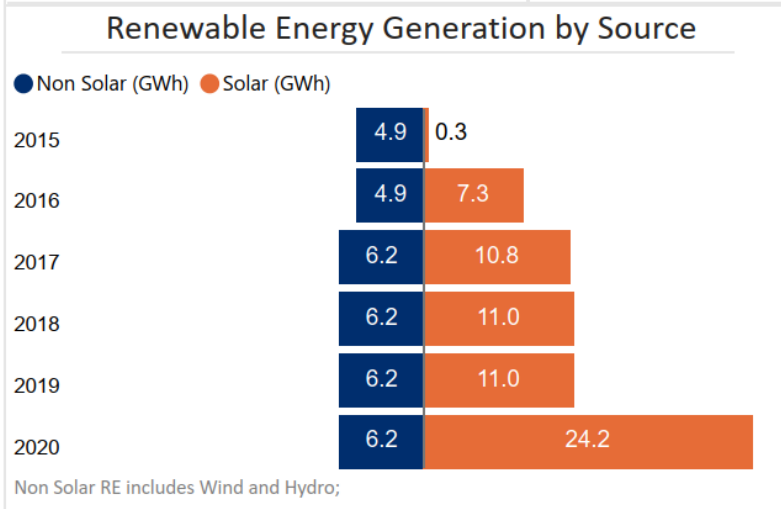


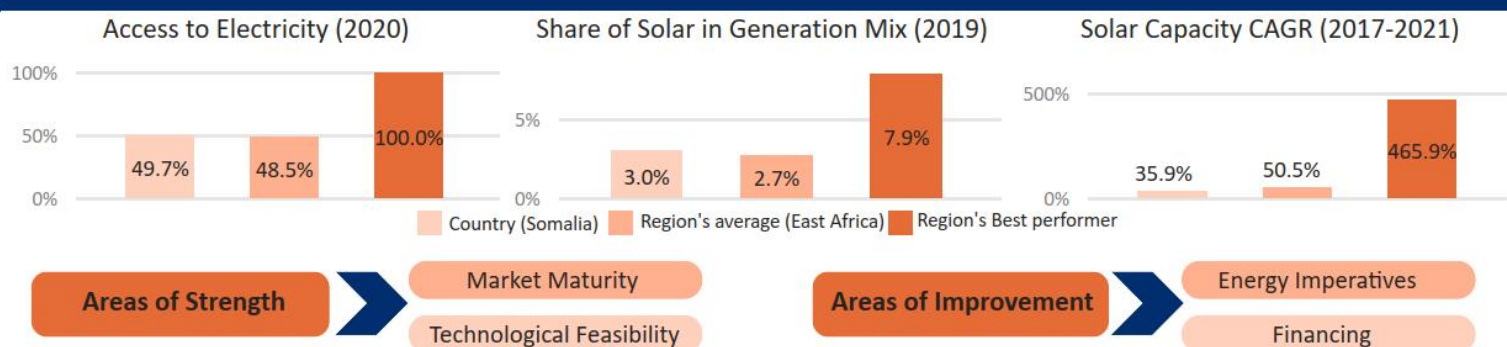
	Somalia	Ease of doing Solar classification Progressive
	Africa	
Electricity Consumption in kWh/capita (2020) 23.3	Average PVout in kWh/kWp/day (2020) 4.8	Cumulative Solar Capacity in MW (2021) 23.5
Getting Electricity Score (2020) 0.0	NDC Target by 2030 in % (base year 2015) 30.0	Human Development Index (2021) Not available



Support for Renewables (2020)

Feed-in-Tariffs for renewable energy supply to the grid? No	Net metering/Gross metering policies and regulations? No
Renewable Energy Certificates? No	Renewable Purchase Obligation? No

Country's regional performance and characteristics



Key Insights

Drivers

Insights



Macro-economy

- Somalia is a low-income country¹ with GDP per capita (PPP) of USD 1,249 in 2021.²
- GDP (Real) grew at an annual rate of 2% in 2021 and it is estimated to grow by 3% in 2022.³
- Inflation rate in the country increased to 4.6% in 2021 from 4.3% levels in 2020.⁴
- The current account deficit marginally widened to 10.8% of GDP in 2021 from 10.4% levels in 2020.⁵



Policy enablers

- The Ministry of Energy and Water Resources is responsible for the formulation, direction and coordination of the national energy policies and water resources.⁶
- In 2021, Somalia updated its NDCs with focus on RE investments and targets to reduce its GHG emissions to 30% by 2030.⁵
- The Somali Business Catalytic Fund (SBCF) strengthened the private capital into the financing of solar energy solutions in Somalia.⁷



Technological Feasibility

- Somalia receives very high levels of solar irradiation of 6.1 kWh/m²/day and specific yield of 4.8 kWh/kWp/day indicating a very strong technical feasibility for solar in the country.⁸
- In 2017, the UN Development Agency (UNDP) installed 298 solar panels—a 76 KVA hybrid solar system which allows a saving of 35% on fuel consumption in Somalia.⁹



Market Maturity

- 49.7% population in Somalia had access to electricity as of 2020.¹⁰
- Somaliland Energy Regulatory Commission is responsible for regulating and managing the development and utilization of energy resources in Somaliland.¹¹
- Banadir Electric Company (BECO) is responsible to generate, transmit and distribute electricity throughout Somalia at cost effective tariffs.¹²
- Somalia is a member of the Eastern African Power Pool (EAPP), which aims to optimize the available energy resources and reduce electricity cost in the region.¹³



Infrastructure

- The existing transmission network comprises of medium-voltage (33 kV/11 kV/415 Vs) power lines, substations and ground mounted transformers.¹⁴
- BECO is the major distribution company which supplies over 80% of electricity to Banadir and surrounding regions.¹⁵
- The current electricity situation in Somalia faces numerous challenges mainly due to lack of standardization in terms of installation of distribution network for households and commercial building.¹⁵



Financing

- In 2022, the Federal Government of Somalia has received financing from the AfDB towards technical assistance (TA) and capacity building for the establishment of the Regulatory Authority for energy sector (ERA).¹⁶
- The World Bank supported Somali Core Economic Institutions and Opportunities Project (SCORE) with a USD 13 Mn grant through the Somali Business Catalytic Fund (SBCF).¹⁷
- Currently the Federal Government of Somalia (FGS) is implementing households access to renewable energy and advancing cooking technologies project with a grant funding from the AfDB.¹⁸



Energy Imperatives

- In 2020, Somalia's per capita electricity consumption stood at 0.02 MWh, which is significantly lower in comparison to the global average of 3.31 MWh.²¹
- The total installed capacity in the country stood at 90.7 MW in 2019.¹⁹
- The total installed capacity of solar PV witnessed a CAGR of 35.9% between 2017-2021 reaching 23.538 MW in 2021 from 6.894 MW levels in 2017.²⁰