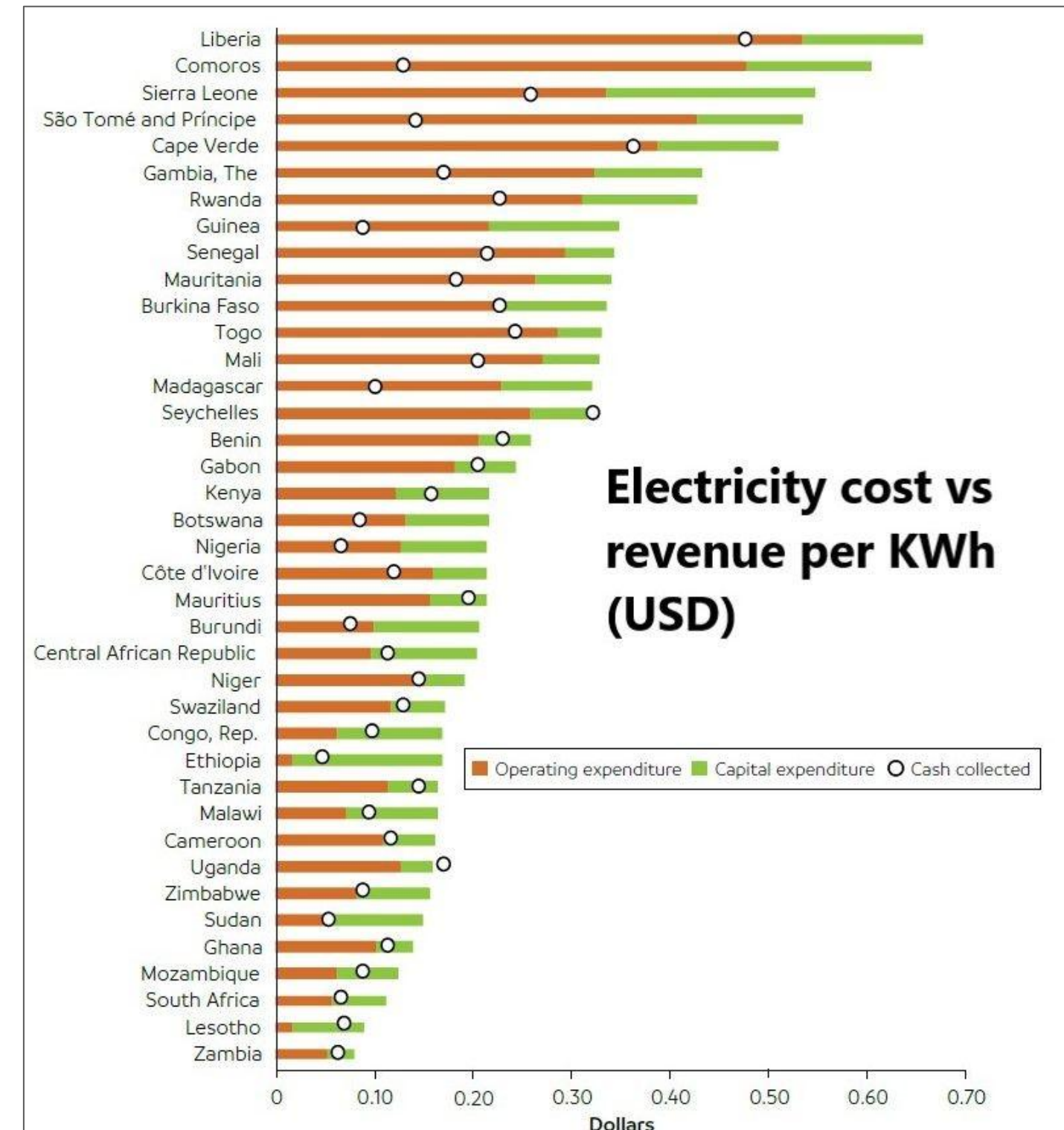


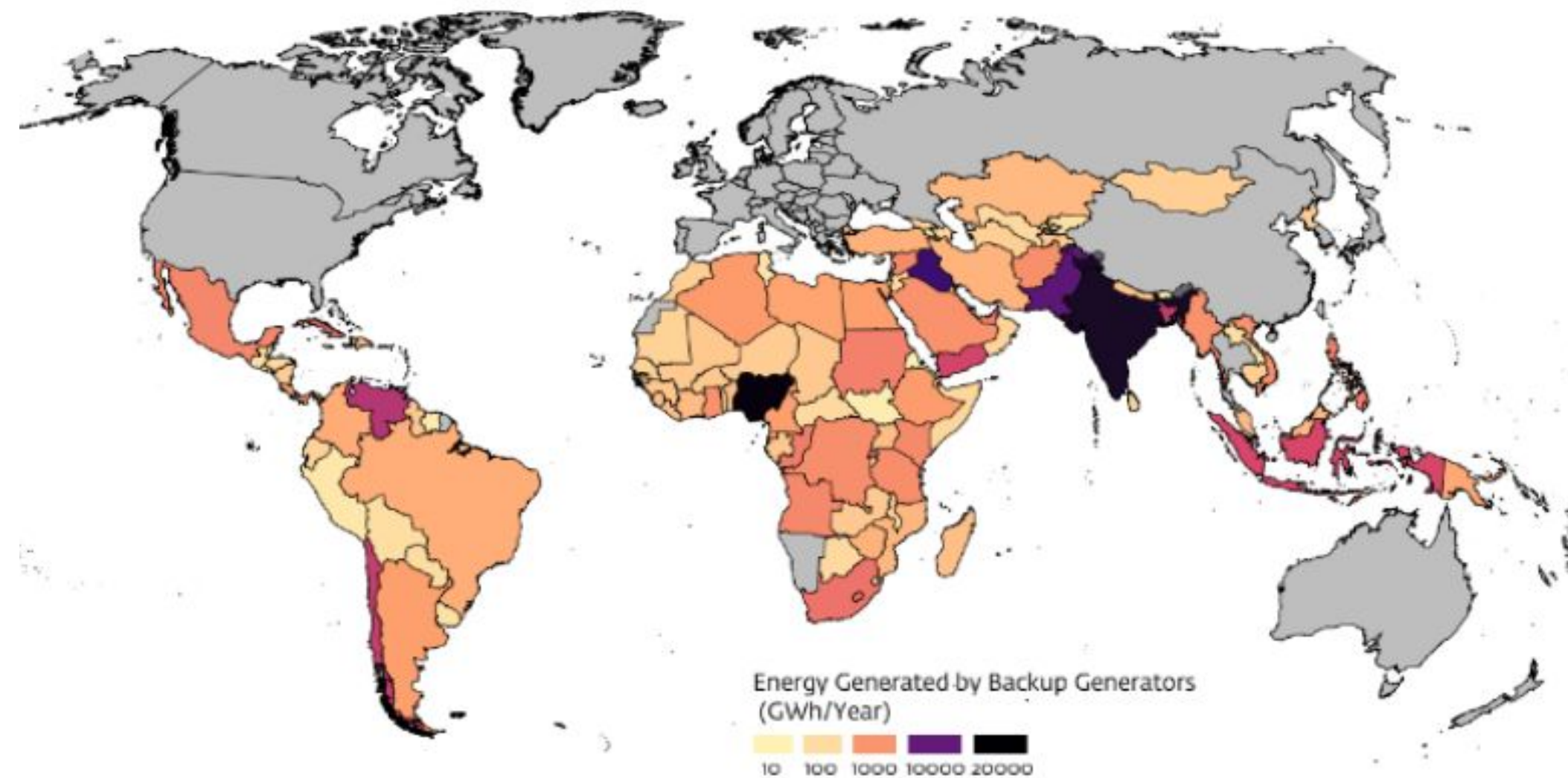
## Insufficient Power Grid

- Quality of power grids in sub-Saharan Africa is insufficient for electrification of economies
- Basically, sub-Saharan Africa is “off-grid” due to
  - lack of funding
  - inefficient management, policies, subsidies
  - energy theft
- Preventing power theft is challenging

	Population (million)	Power Gen. Capacity (GW)	Power Gen. Capacity per 1 million people
Germany	83	211	2.542
UK	68	75	1.103
France	67	136	2.030
<b>Total</b>	<b>218</b>	<b>422</b>	<b>1.936</b>
	Population (million)	Power Gen. Capacity (GW)	Power Gen. Capacity per 1 million people
Nigeria	213	5.5	0.026
Tanzania	64	2	0.031
Ethiopia	120	5	0.042
<b>Total</b>	<b>397</b>	<b>12.5</b>	<b>0.031</b>



ESTIMATED TOTAL ELECTRICITY SERVICE FROM GENERATORS BY COUNTRY



## Diesel Gen. Capacity - Nigeria

Nigeria: ~ 40 GW

## BEV Sales - Global North

Germany, 2023: + 4% YoY, 17% of new car sales



