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How Big is the “Green Power Gap”?



And what is the root cause?



The Rockefeller Foundation's recent report identifies the "Green Power Gap."

The "Gap" estimates the renewable energy capacity that must be generated by 2050 for the identified countries to meet both global development and climate goals.

What is the "Green Power Gap"?



- The Rockefeller Foundation classified 193 UN member countries into three categories:
 - **Advanced economies:** 55 countries defined as high-income by the World Bank.
 - **Energy poor:** includes 68 countries plus India, Indonesia, Gabon, and El Salvador.
 - **Emerging economies:** representing the 66 countries that fall between the two categories. The groups differ based on electricity consumption.
- The 68 energy poor countries fall below the Modern Energy Minimum (MEM) defined as an average annual per capita energy usage of less than 1,000 kWh that is necessary to lift people out of poverty and drive economic development.
- The Gap is calculated by the worldwide carbon emission levels required to keep global temperatures below 1.75°C accounting for population growth and development goals.
- It assumes that the 55 "advanced" and 66 "emerging" countries achieves net-zero emissions in 2050 and 2060 respectively.

Good luck with that assumption.



No surprise that the Gap is a byproduct of the lack of wealth.

This is an on-going challenge for the climate movement which is relying on wealthier nations to help fund the solution.

Africa and Asia remain well behind



- 44 African nations are among the those identified in the Gap. The most populated include Nigeria (232.7 mil people), Ethiopia (132.1 mil people) and DR Congo (109.3 mil people).
- 20 countries are in Asia. The most notable are India, Indonesia, Pakistan, Bangladesh, and the Philippines with a combine population of 2.23 billion people.
- The remaining countries include six in Latin America & Caribbean and two in the Middle East.



It's a catch-22.

Energy poor nations don't have the financial ability to achieve the net-zero goals on their own.

Wealthy nations will invariably make promises that are domestically politically problematic.

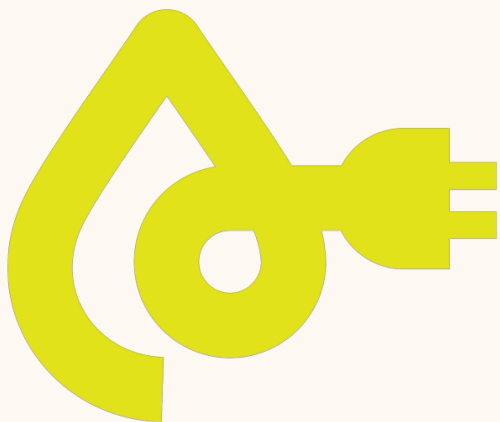
The climate movement needs a new plan.

The Green Power Gap is Massive



- The report estimates the Green Power Gap at 8,700 terawatt-hours (TWh)
- How much power is 8,700 TWh?
- It is approximately **TWICE** the amount of power generated in the United States annually.
- The "Gap" countries have a total population of 3.8 billion people - slightly less than half the global population.

Ouch!



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Unbiased and Unfiltered

- An honest assessment of the climate change effort.
- I cover what's working – but more important - the issues/roadblocks that the industry would prefer to ignore.
- A must-read for anyone with a desire to understand what's really going on with renewable energy and climate change.



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