

HOW TO BE A CLIMATE OPTIMIST

Community Planning Association of Alberta

Red Deer

29 April 2024

Planet has only until 2030 to stem catastrophic climate change, experts warn

By [Brandon Miller](#) and [Jay Croft](#), CNN

🕒 Updated 6:54 PM ET, Mon October 8, 2018



The New York Times

See How 2023 Shattered Records to Become the Hottest Year

Month after month global temperatures didn't just break records, they surpassed them by far. This year could be even warmer.

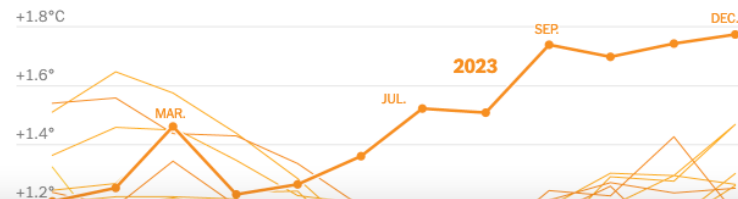
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💬 434

Monthly global temperature compared with preindustrial levels

■ 1940s-60s ■ 1970s ■ 1980s ■ 1990s ■ 2000s ■ 2010s ■ 2020s



Estimated new solar power capacity worldwide, 2023:

444 GIGAWATTS

EV share of new car sales worldwide, 2023:

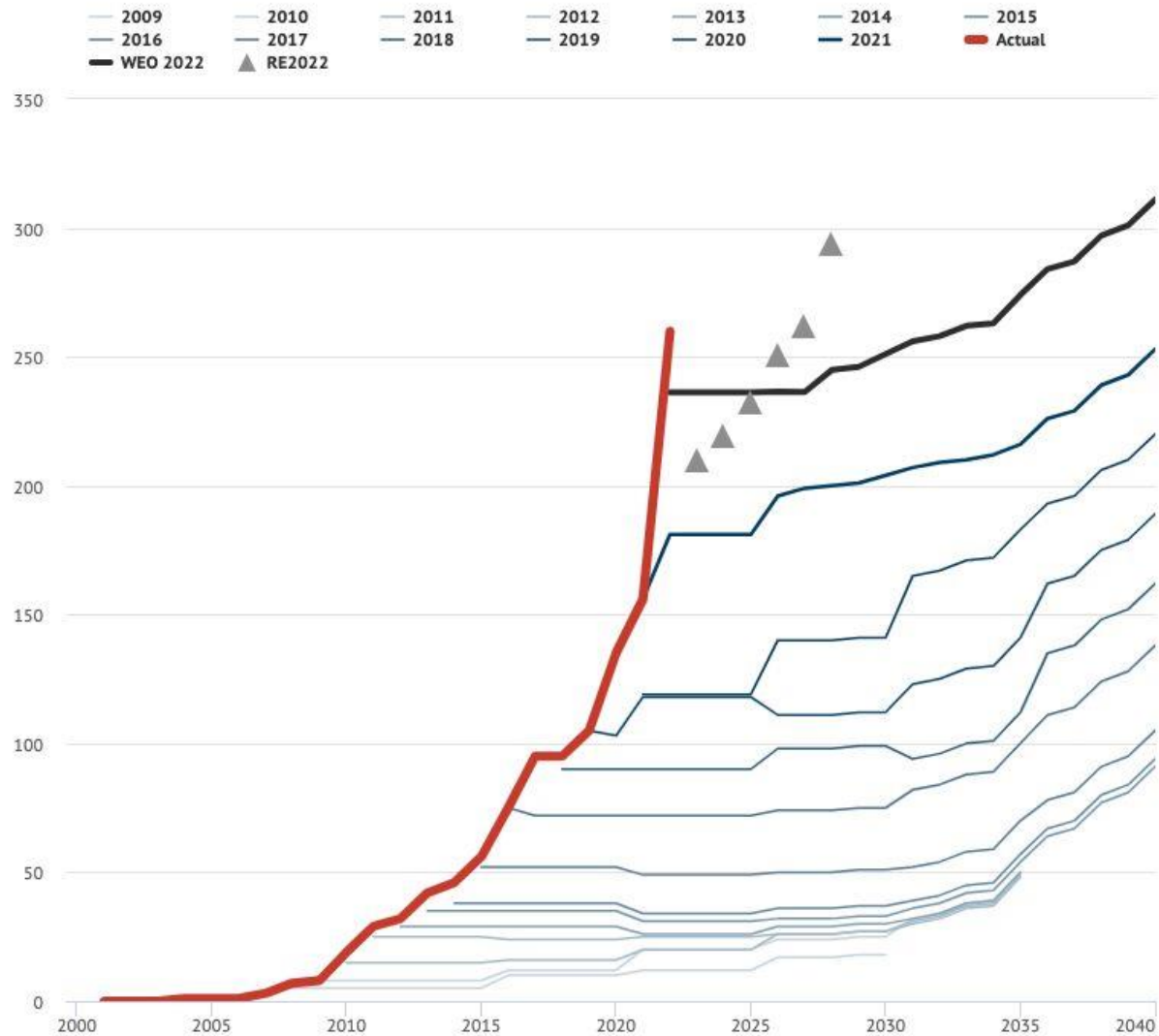
1/5

**Share of global fossil fuel consumption from
electricity, road transport and non-industrial heat:**

70 PERCENT

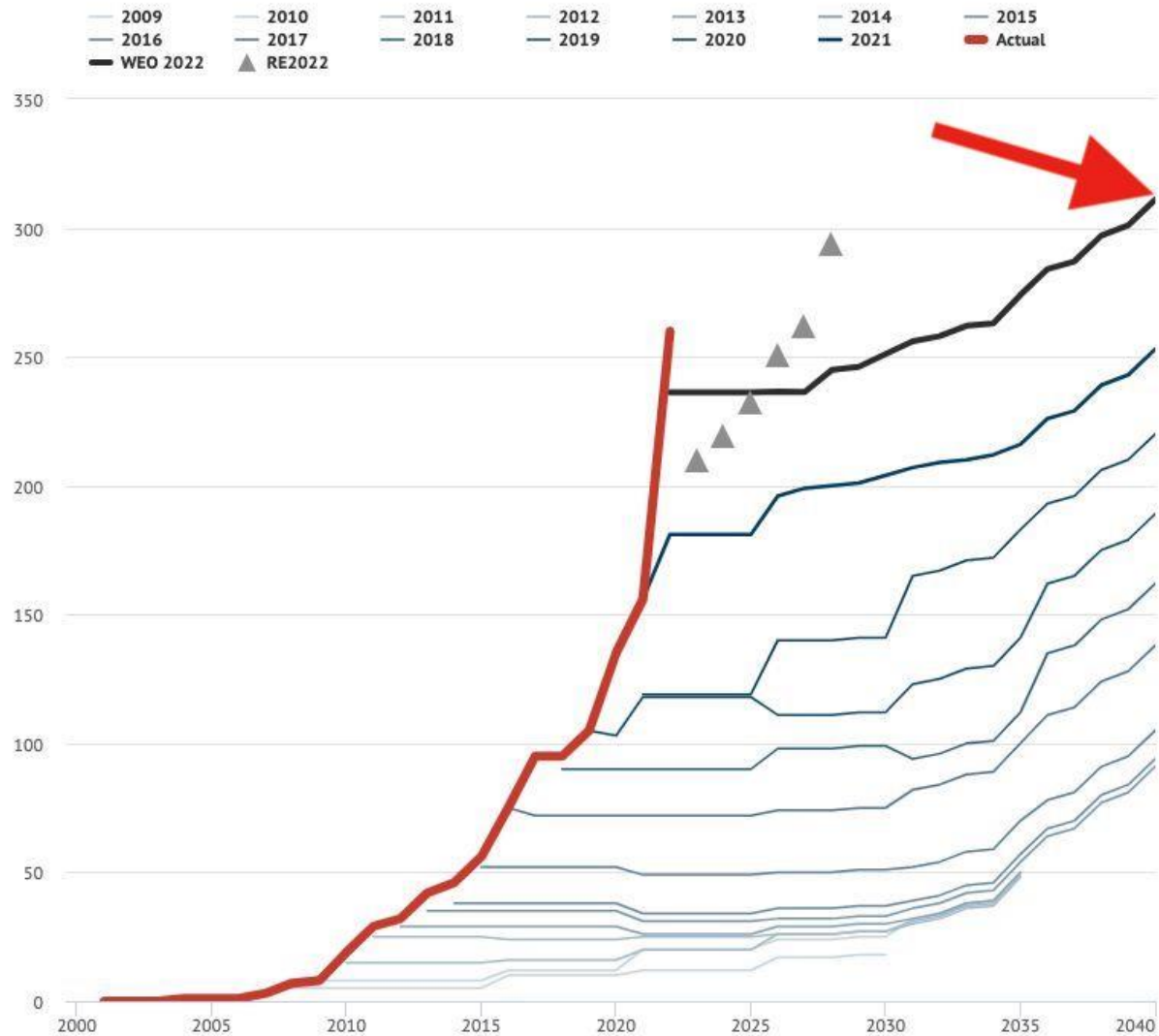
The rapid **rise of solar** continues to **outpace IEA outlooks** – but remains short of what would be needed for 1.5C

Gigawatts added per year in IEA WEOs, before retirements; Triangles show IEA Renewables 2022 forecast



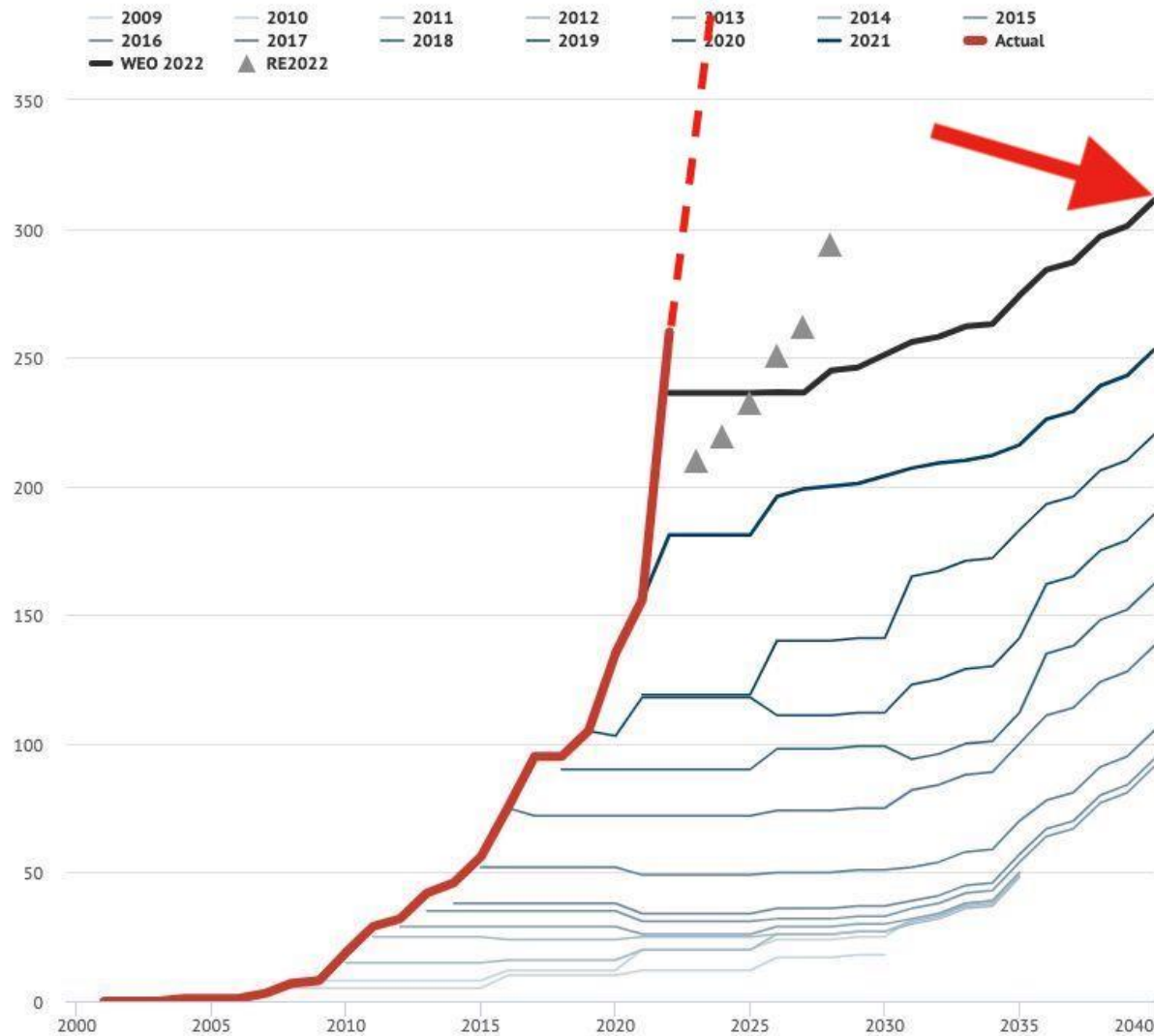
The rapid **rise of solar** continues to **outpace IEA outlooks** – but remains short of what would be needed for 1.5C

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Gigawatts added per year in IEA WEOs, before retirements; Triangles show IEA Renewables 2022 forecast



Bloomberg

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Rendering of a home battery energy storage system.
Photo: Getty Images

Green

Clean Energy Has a Tipping Point, and 87 Countries Have Reached It

Solar power, electric cars, grid-scale batteries, heat pumps—the world is crossing into a mass-adoption moment for green technologies.



Fatih Birol @fbirol · Sep 12

In my op-ed in today's [@FT](#), a historic moment for the global energy sector

Just with today's policy settings alone, [@IEA](#) projects demand for each of oil, gas & coal is set to peak this decade – driven by the striking rise of clean tech like solar & EVs, and economic shifts in



REUTERS



COMMODITIES NEWS OCTOBER 12, 2020 / 10:04 PM / UPDATED 8 MONTHS AGO

Solar the new 'king of electricity' as renewables make up bigger slice of supply: IEA

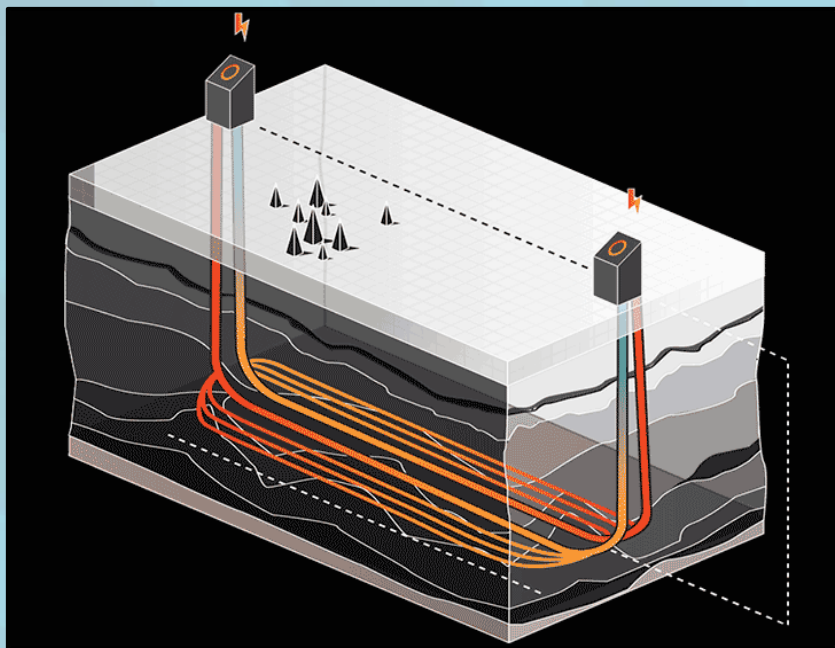




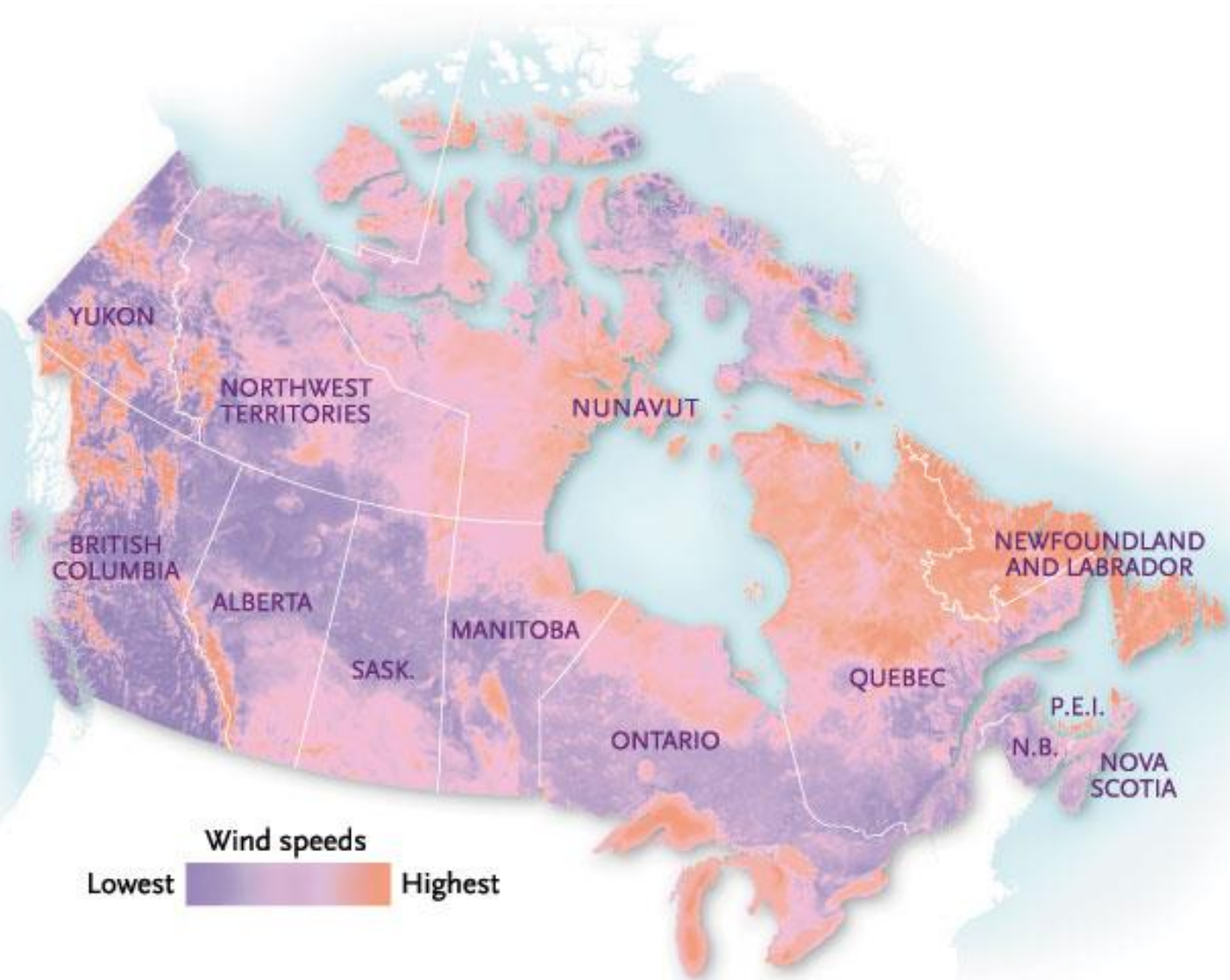


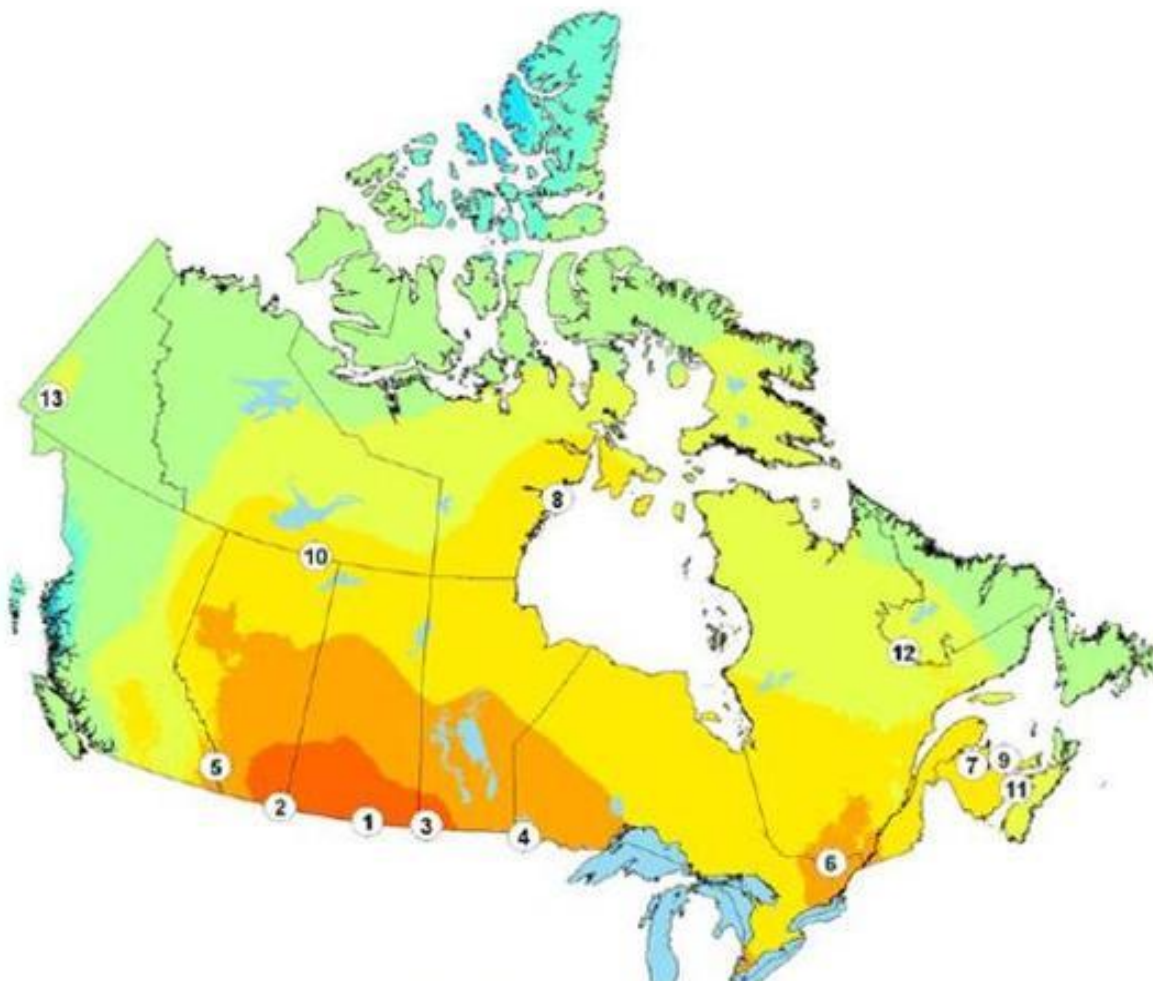




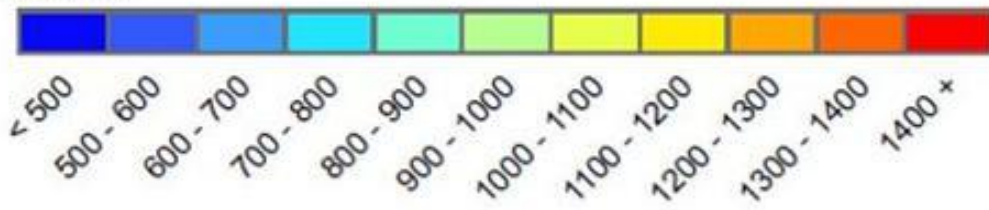








kWh/kW



Germany solar resource



Source: JRC European Commission

Germany







THINKING,
FAST AND SLOW



DANIEL
KAHNEMAN

WINNER OF THE NOBEL PRIZE IN ECONOMICS



Telling people about the behaviour of previous guests increases their likelihood of reusing their towels

26% more likely

Most people reuse their towels at least once during their stay

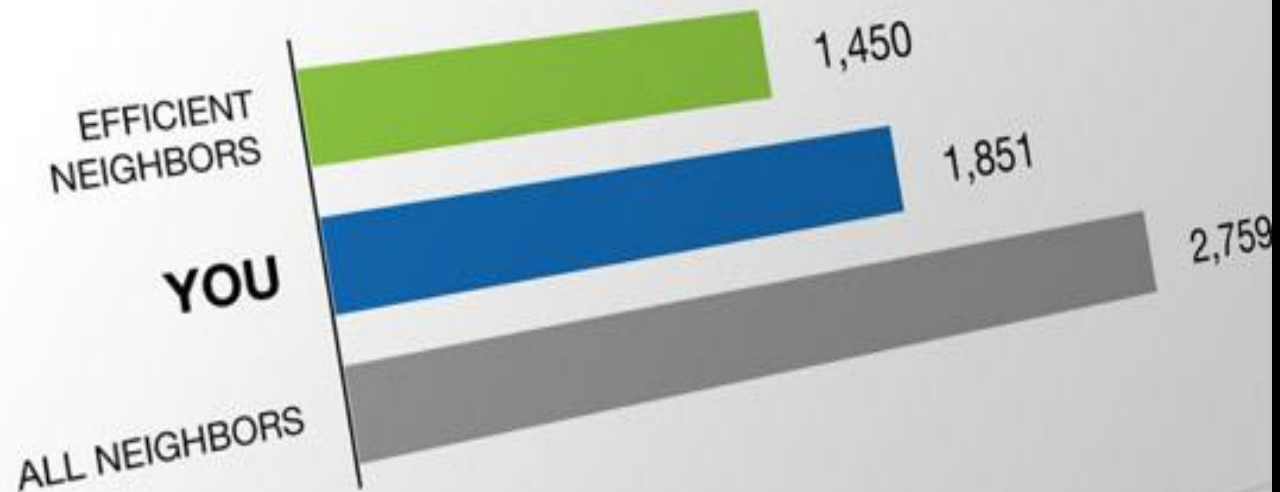
33% more likely

Most people who have stayed in this room reuse their towels at least once during their stay

November Neighbor Comparison

You used **28% MORE**

COURTESY OF POWER



homes t

We motivate millions to become **more energy efficient**



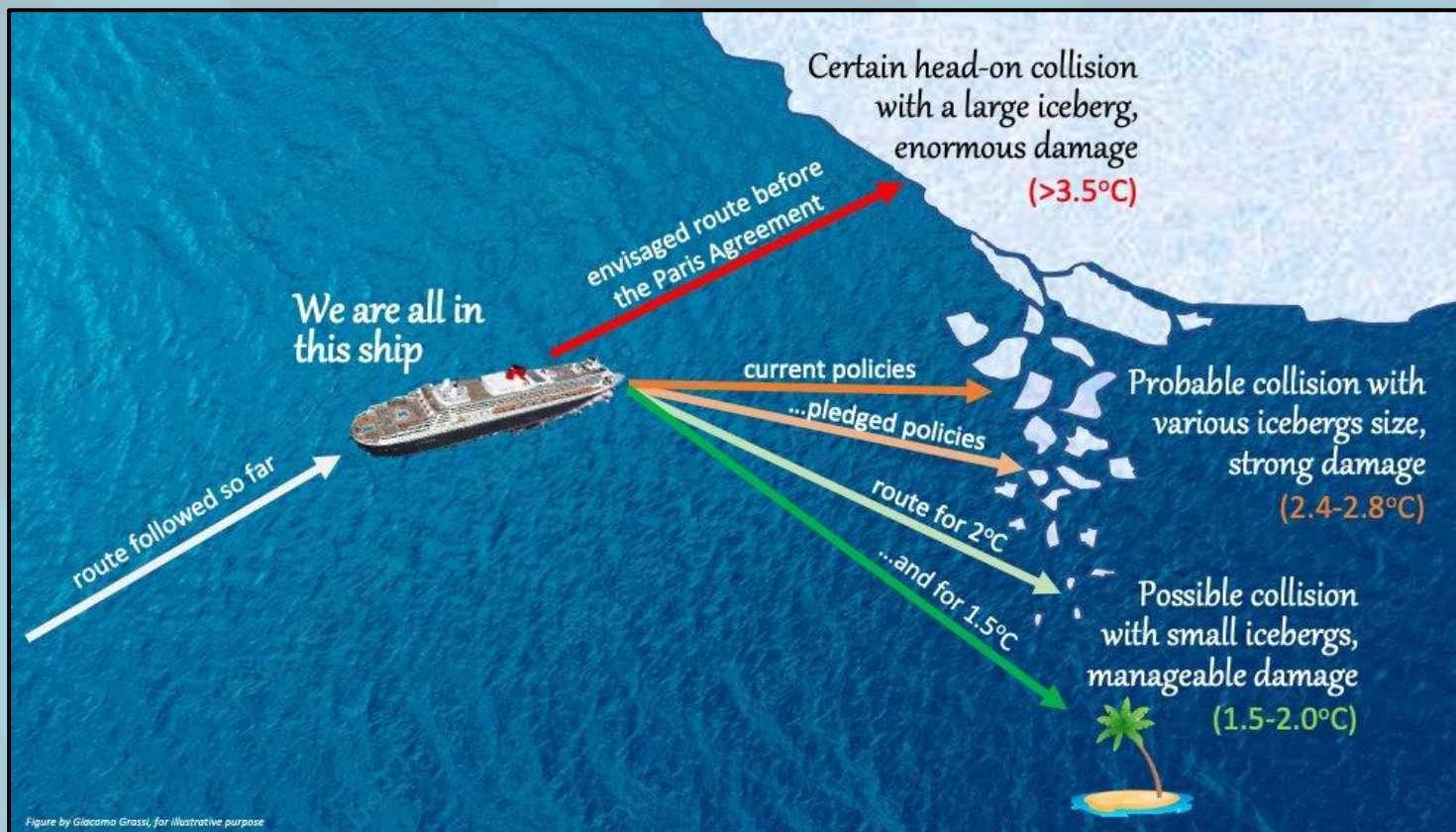
HOME ENERGY USE

GREAT 😊😊

▶ **GOOD** 😊

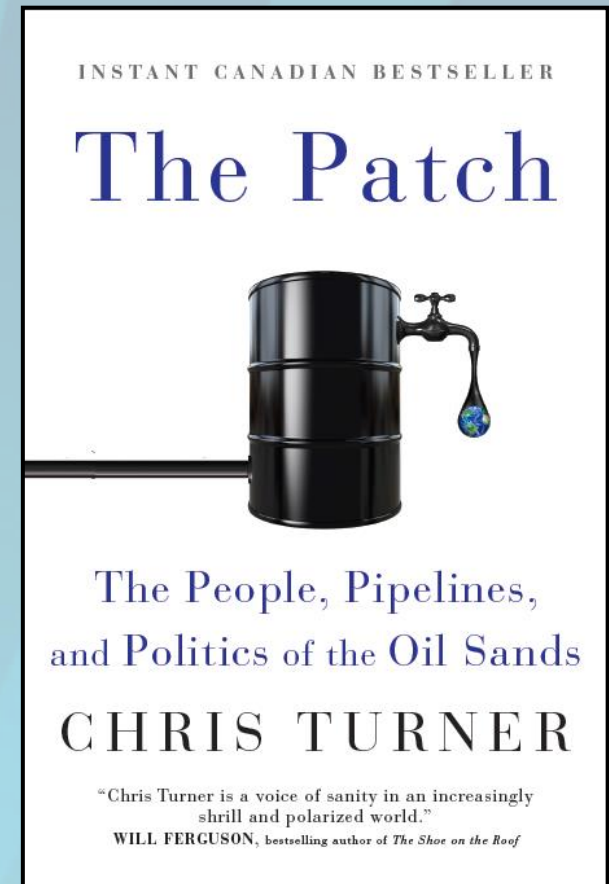
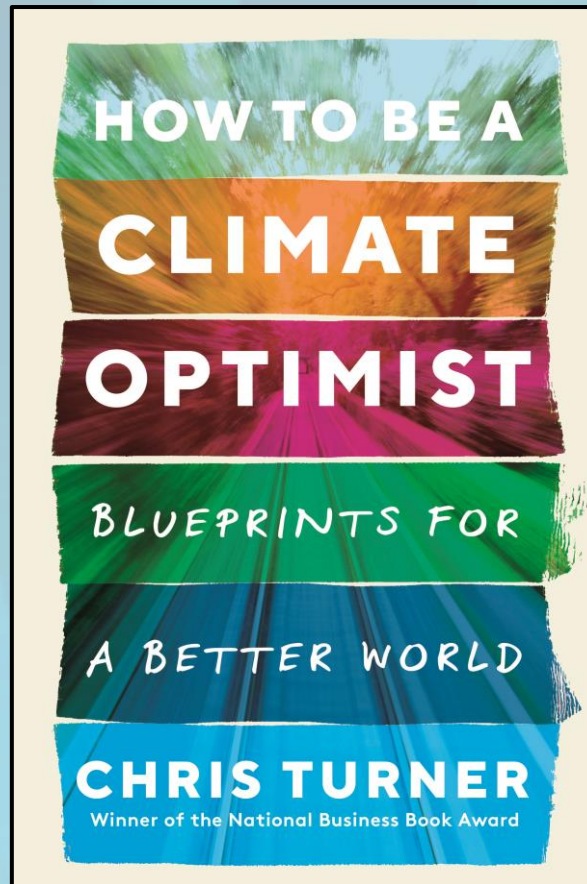
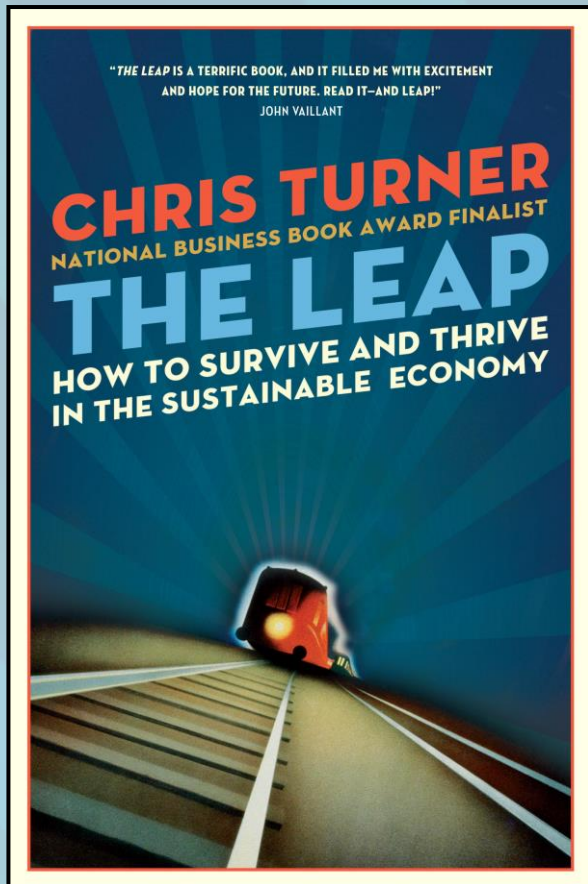
MORE THAN AVERAGE





**Estimated warming with current 2030 commitments:
2.1-2.4°C**

**Estimated warming with current net zero pledges:
1.7-1.8°C**



twitter: @theturner