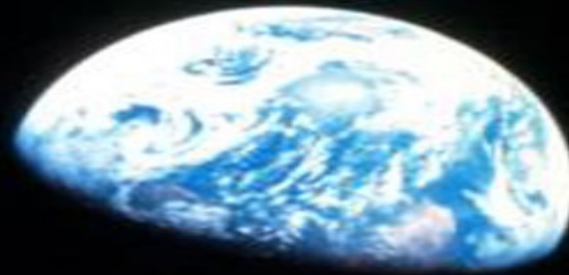


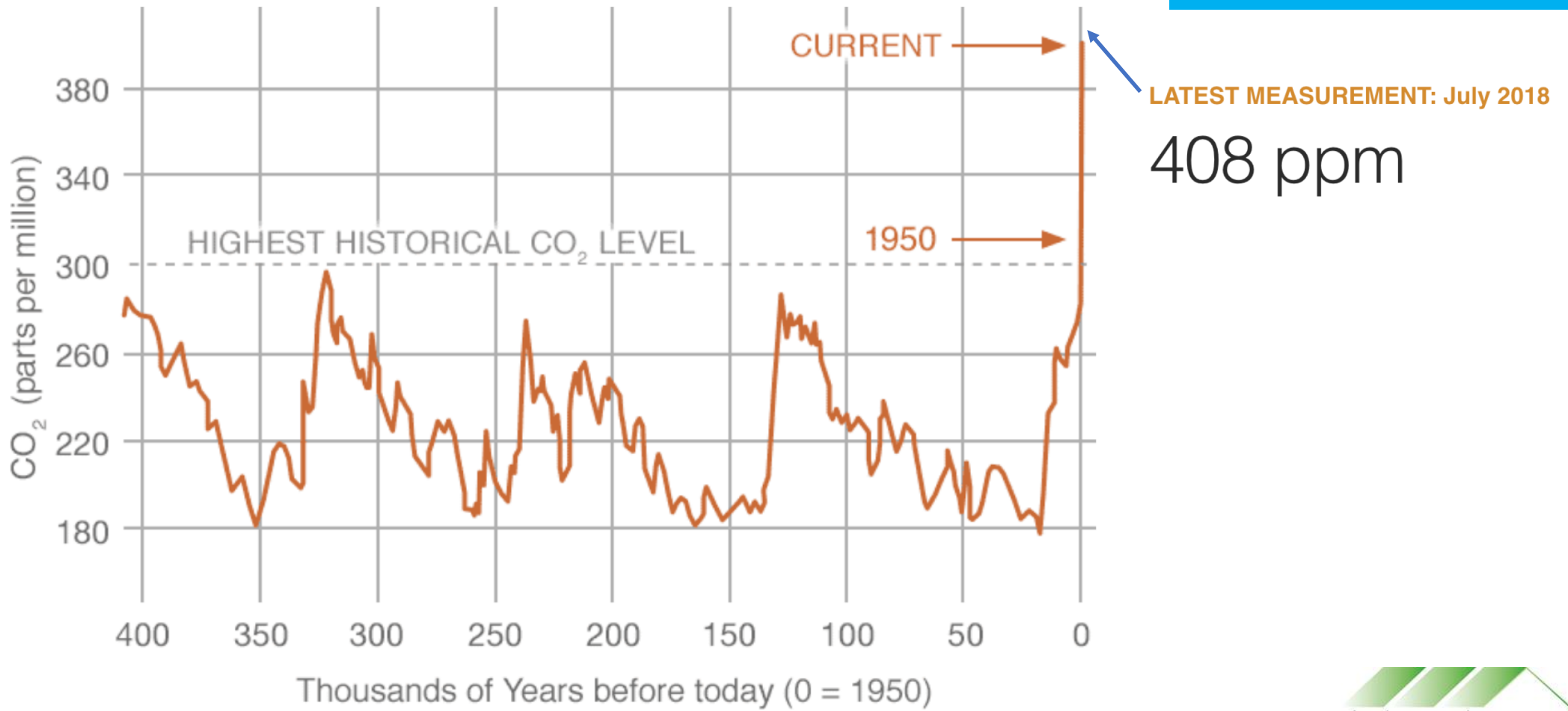
Our Planet



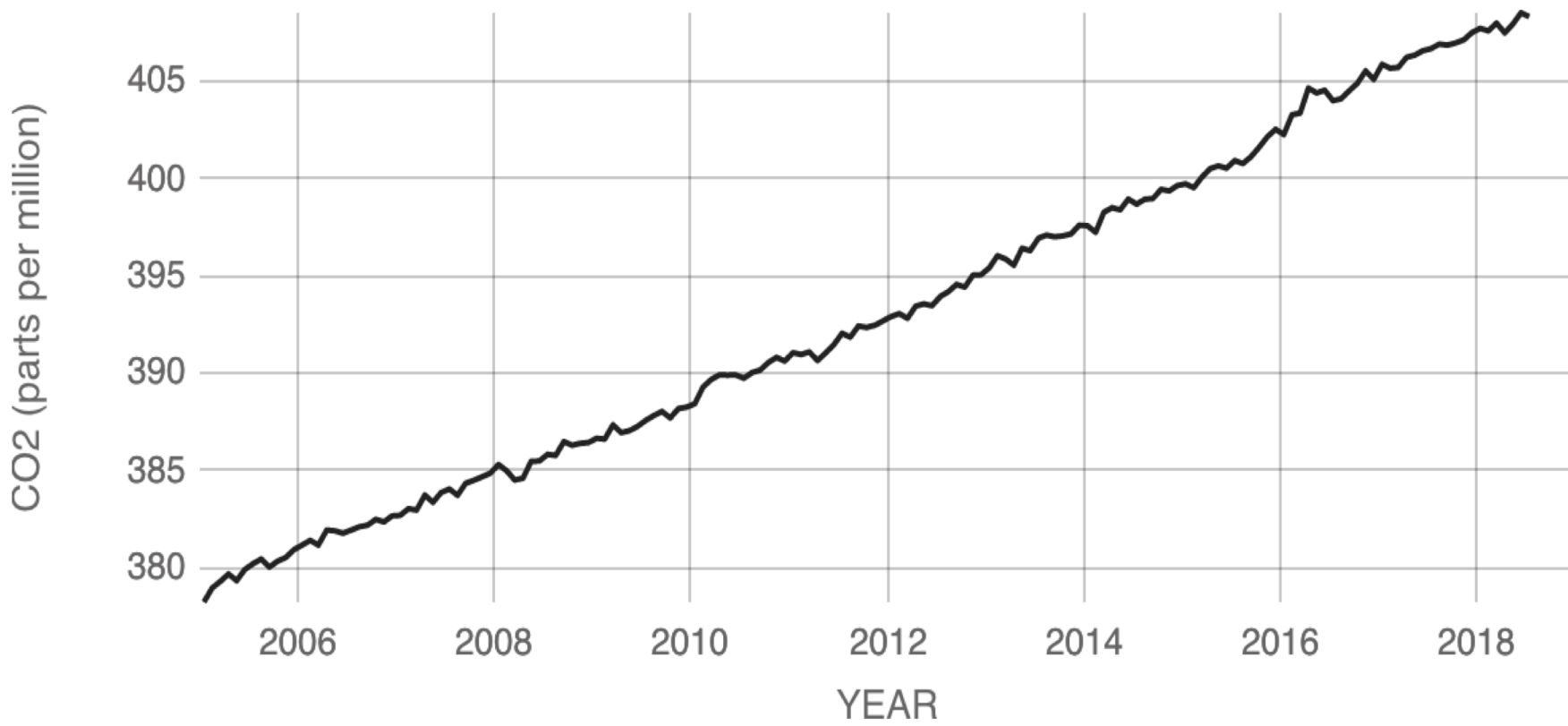
Our thin vulnerable atmosphere

Data source: Reconstruction from ice cores.
Credit: NOAA

Carbon dioxide concentration



Carbon dioxide concentration



Steadily rising

Source: climate.nasa.gov

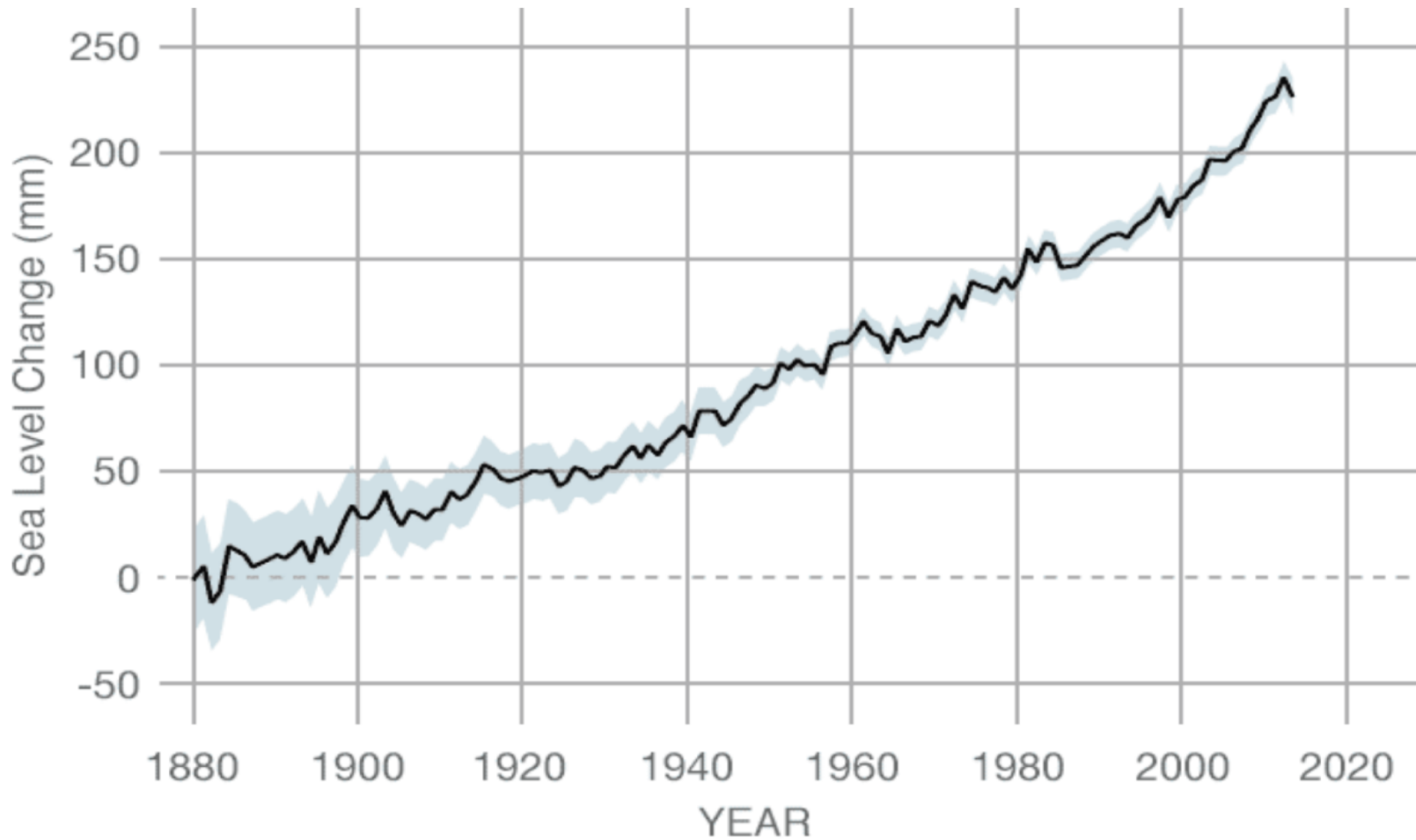


GROUND DATA: 1870-2013

Data source: Coastal tide gauge records.

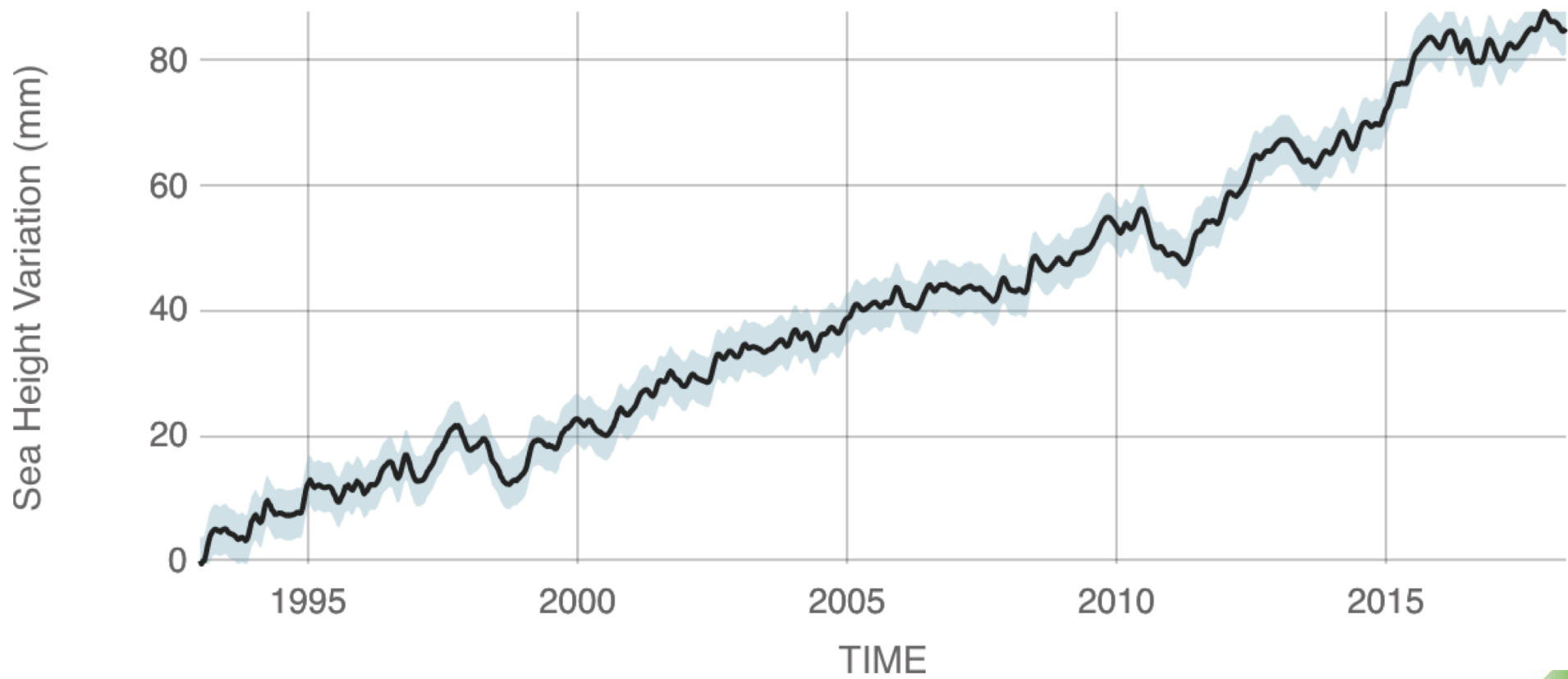
Credit: [CSIRO](#)

Sea level rise
(over century)



Steadily
accelerating
up

Sea level rise (over 20 years)



Source: climate.nasa.gov



Ice Mass decrease

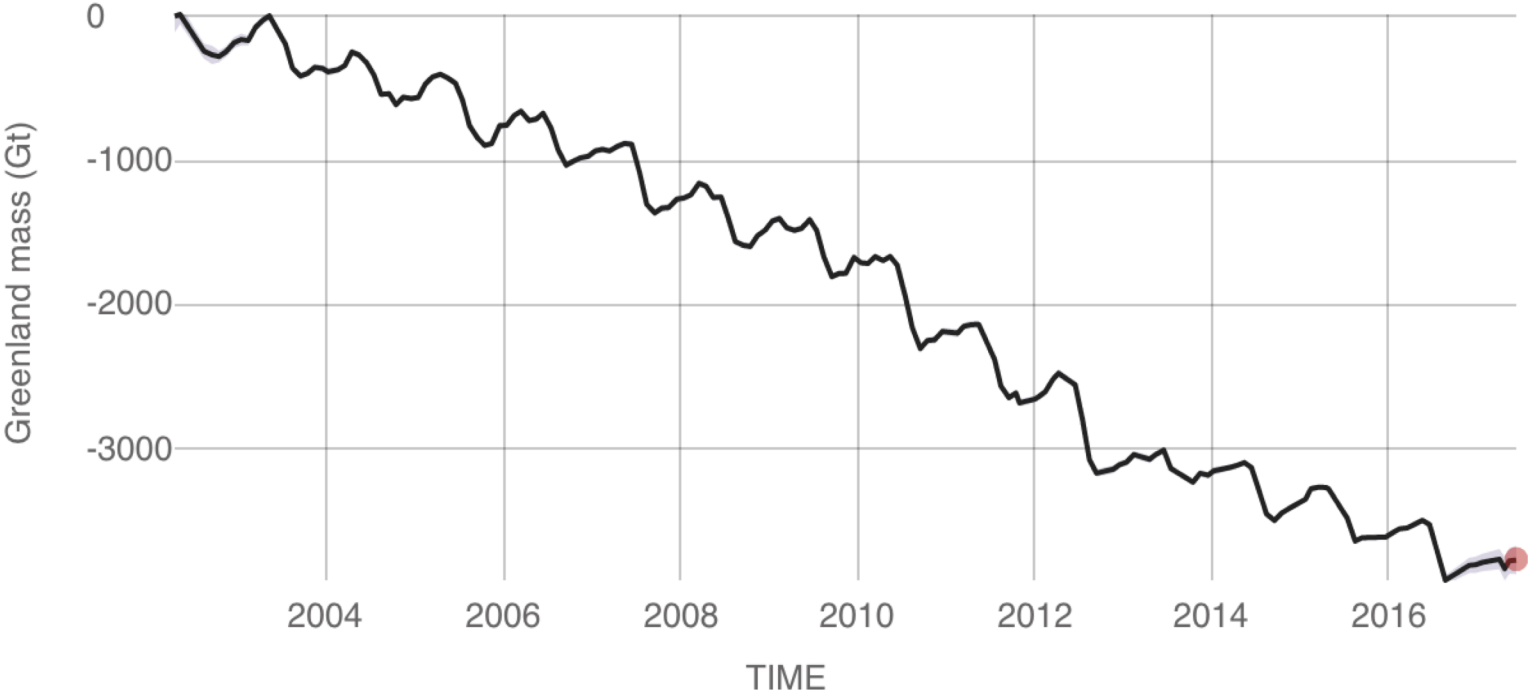
GREENLAND MASS VARIATION SINCE 2002

Data source: Ice mass measurement by NASA's GRACE satellites.
Credit: NASA

RATE OF CHANGE

↓ 286.0

Gigatonnes per year
margin: ±21

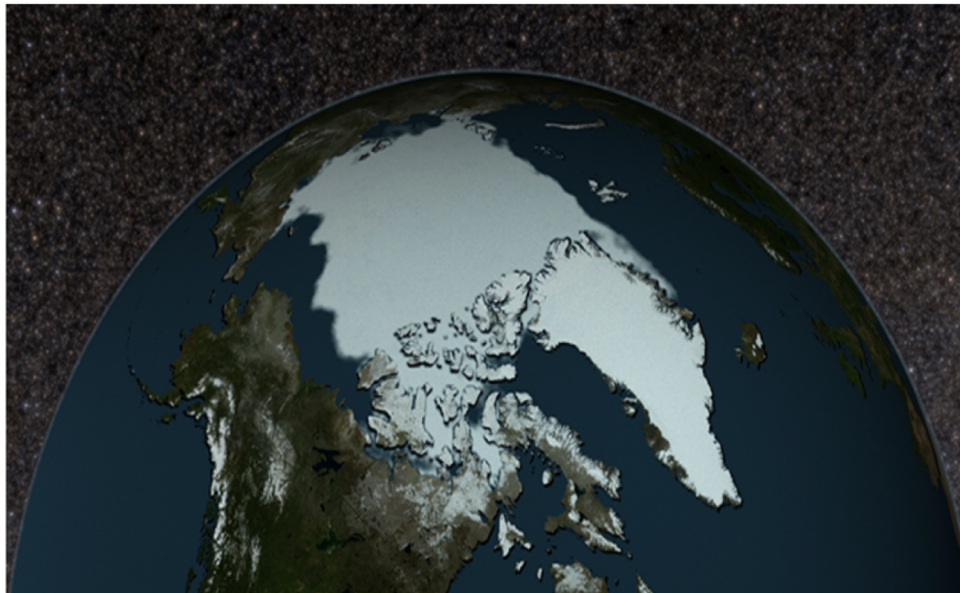


Ice Mass change

TIME SERIES: 1979-2017

Data source: Satellite observations.
Credit: [NASA Scientific Visualization Studio](#)

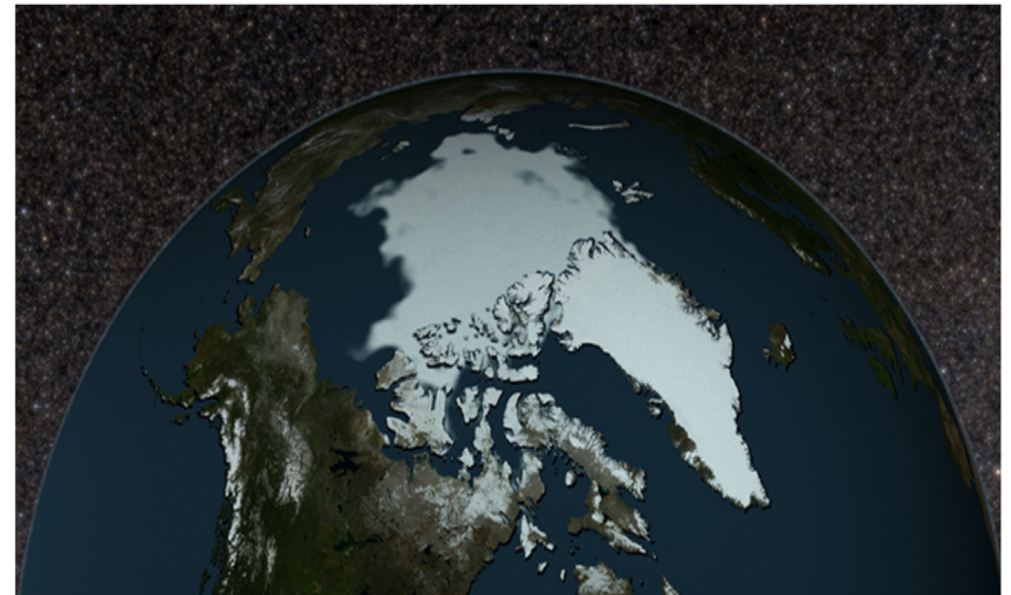
1979



TIME SERIES: 1979-2017

Data source: Satellite observations.
Credit: [NASA Scientific Visualization Studio](#)

2017



Antarctic Larson rift

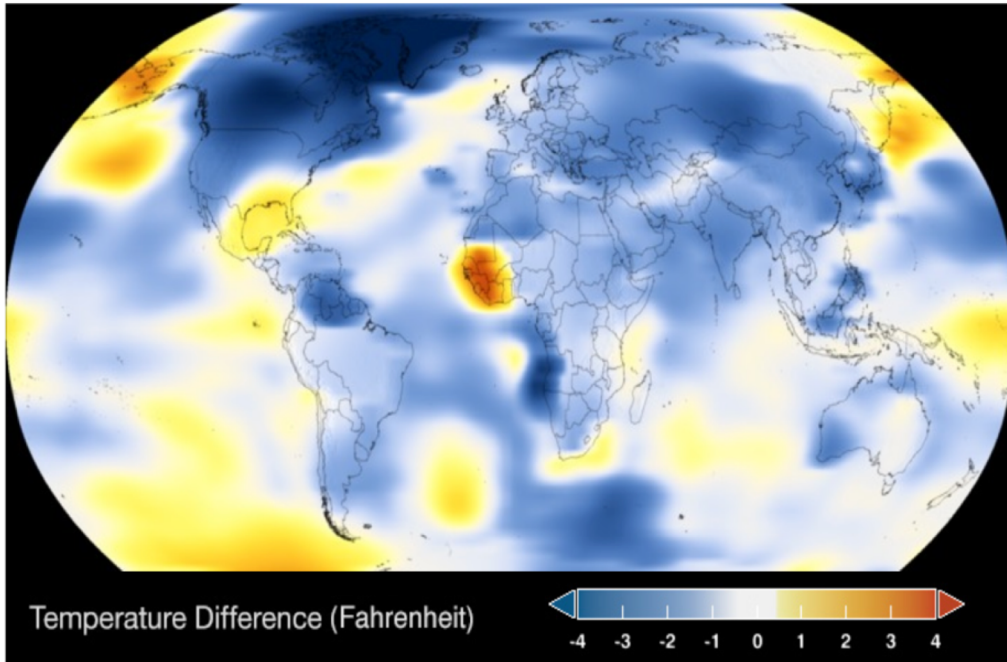
(section of ice
bigger than
France & UK
combined
splitting from
Antarctic in 2018)

Earth's temperature rise

TIME SERIES: 1884 TO 2017

Data source: NASA/GISS
Credit: NASA Scientific Visualization Studio

1884

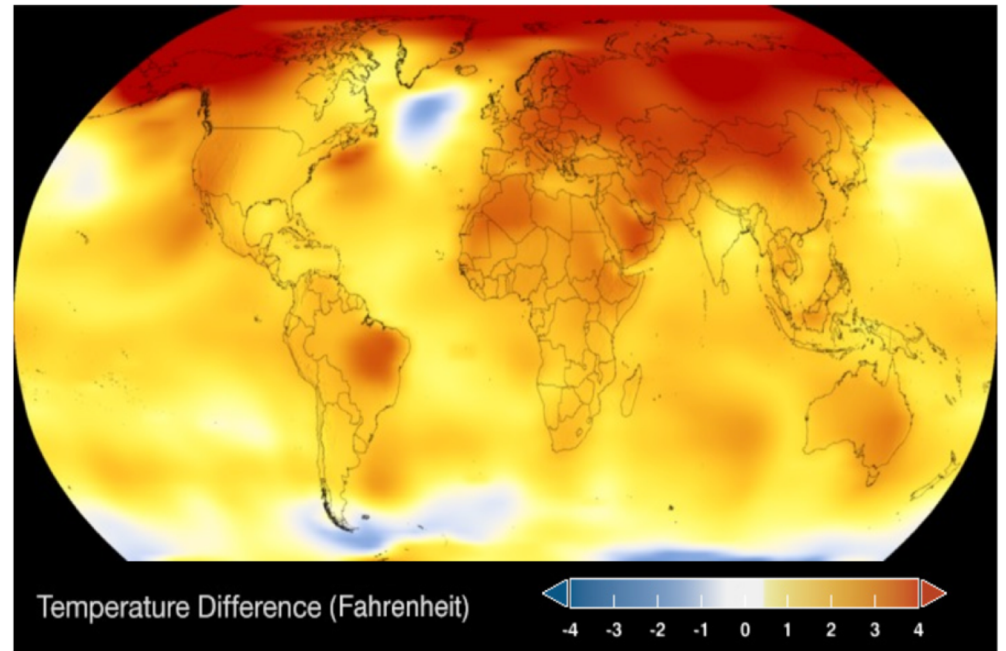


1884 ————— 2017

TIME SERIES: 1884 TO 2017

Data source: NASA/GISS
Credit: NASA Scientific Visualization Studio

2017



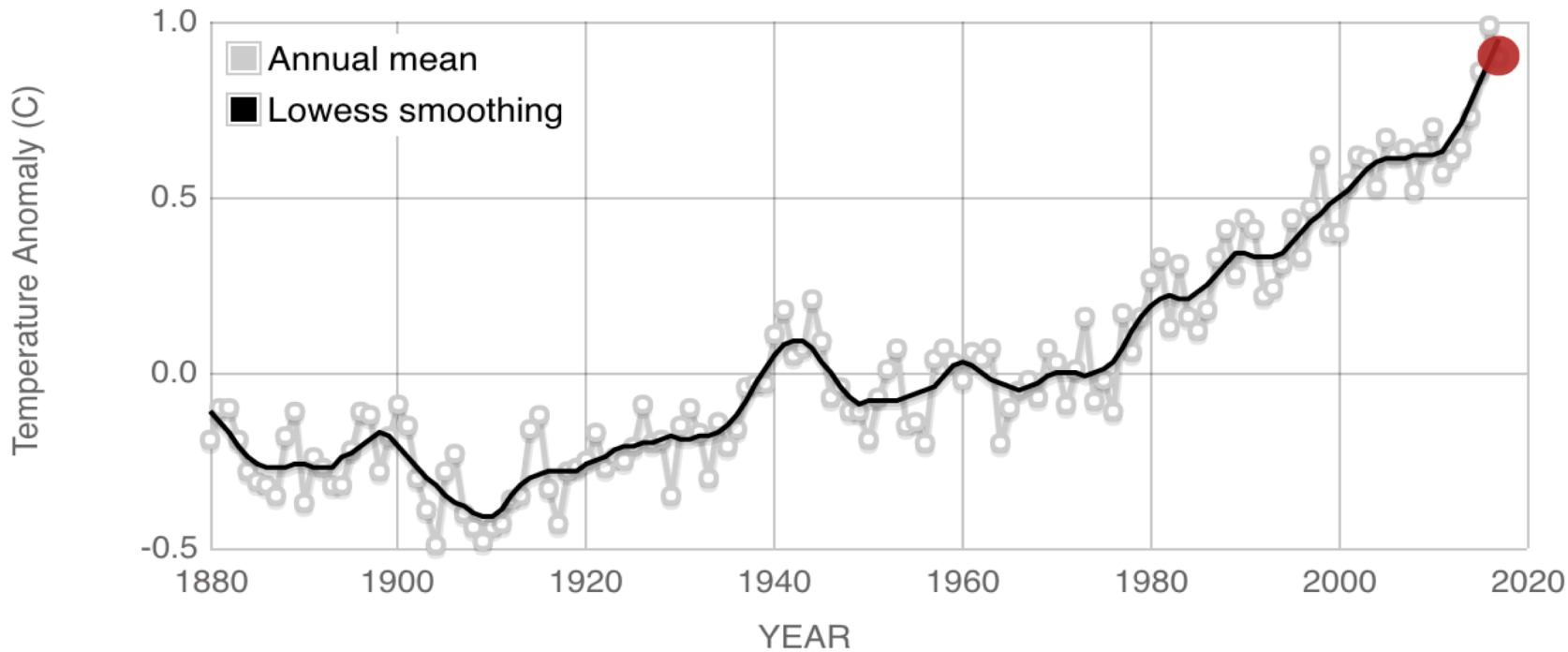
1884 ————— 2017

Temperature rise

GLOBAL LAND-OCEAN TEMPERATURE INDEX

Data source: NASA's Goddard Institute for Space Studies (GISS).

Credit: NASA/GISS

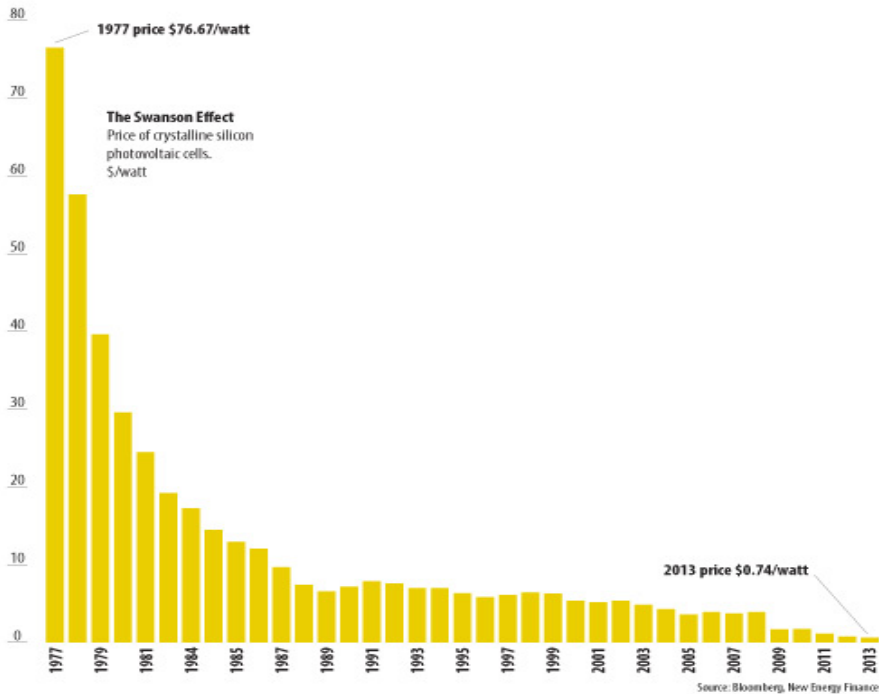


Now the
Good News



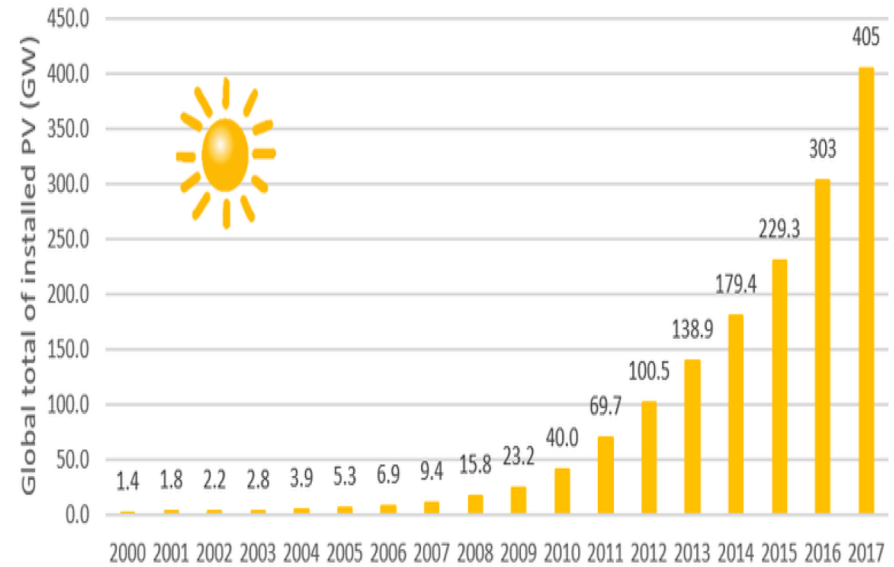
Hope for our thin vulnerable atmosphere

New Clean Energy is Growing Exponentially



Exponential drop in solar costs

Cumulative installed solar PV globally

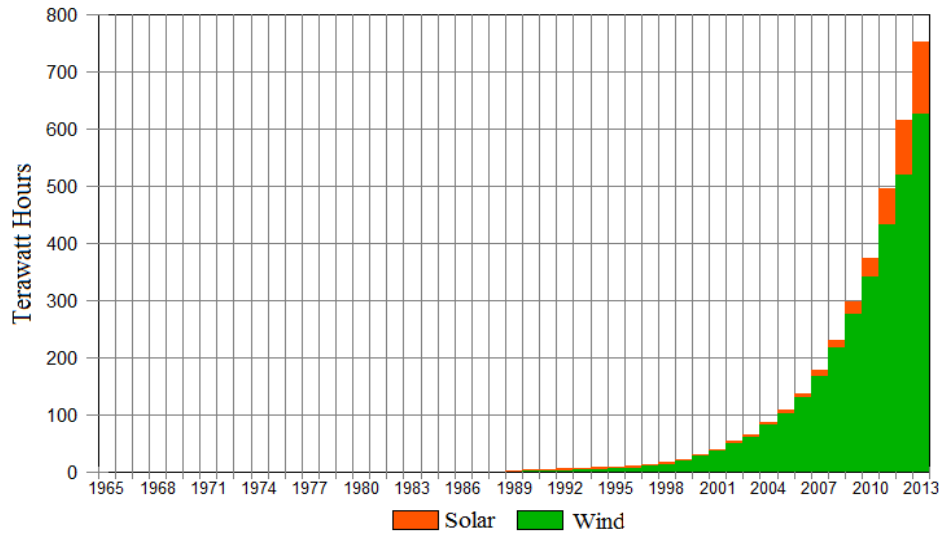


Exponential growth of solar energy

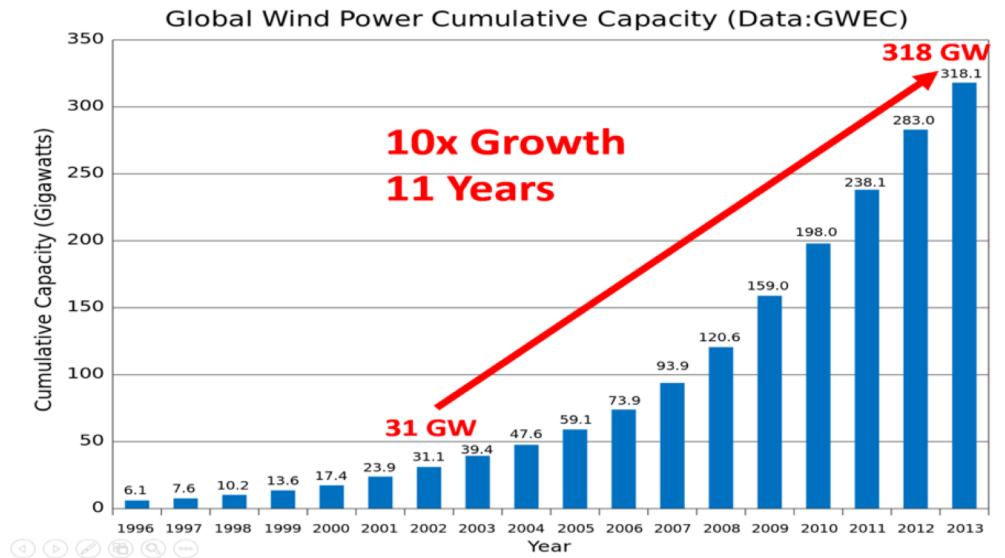




New Clean Energy is Growing Exponentially



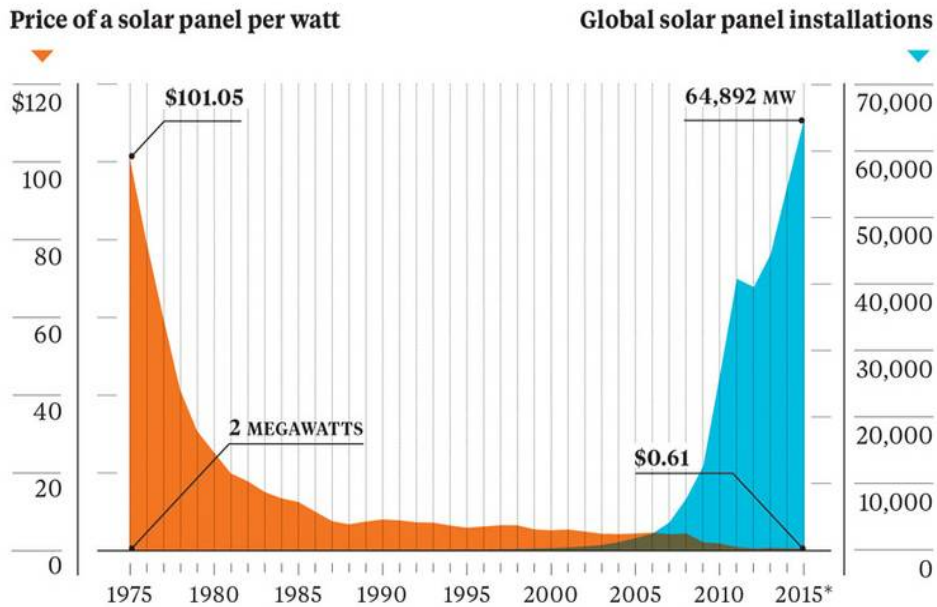
Exponential growth of all renewable energy



Exponential growth of wind energy

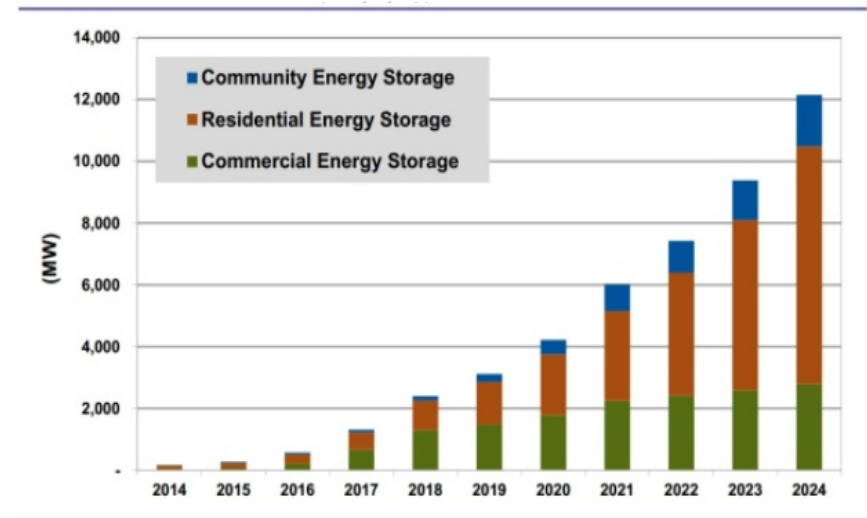


New Clean Energy is Growing Exponentially



Exponential fall of costs and so growth of take-up

Installed DESS Power Capacity by Application, World Markets: 2014-2024

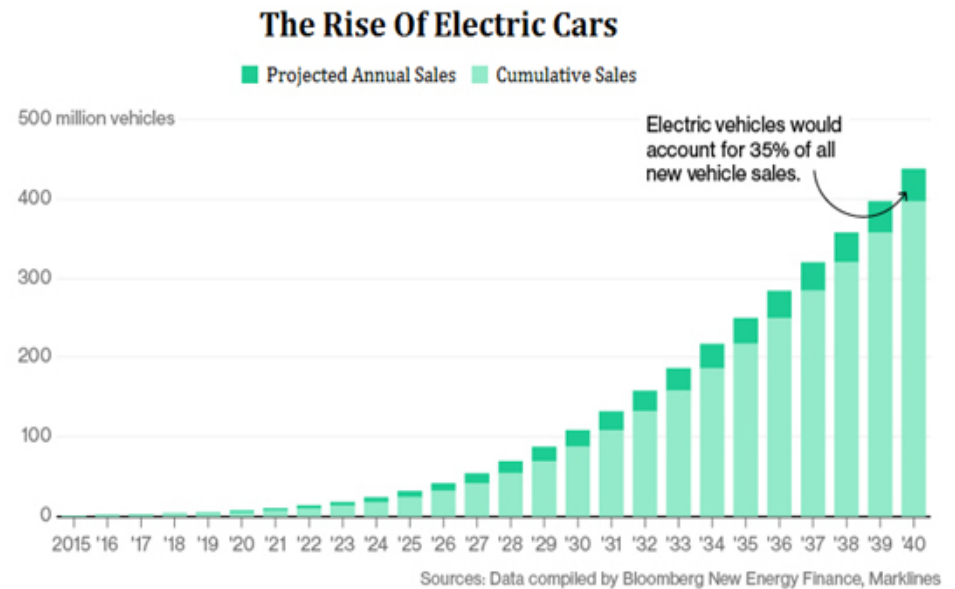
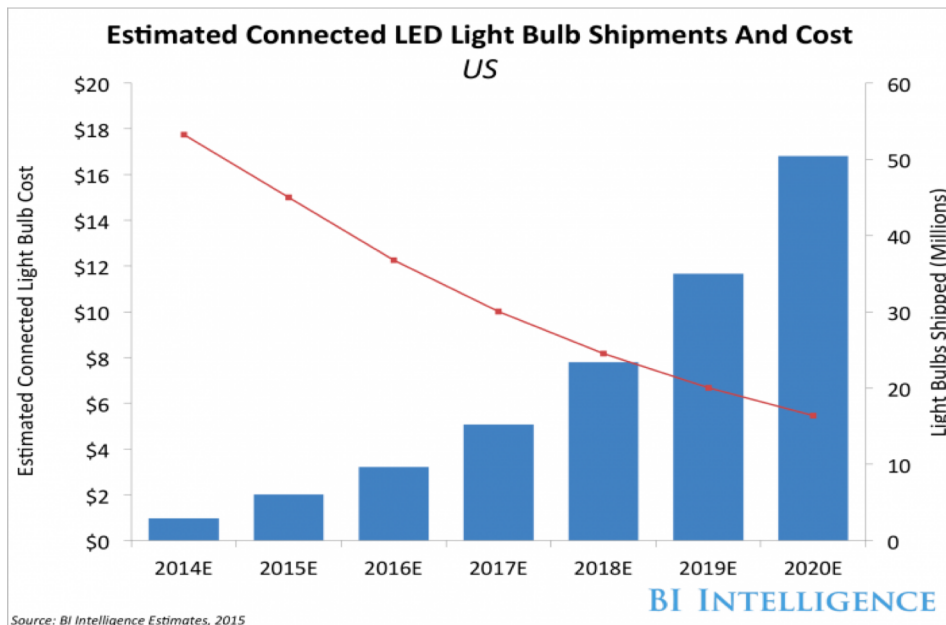


(Source: Navigant Research)

Exponential growth of energy battery storage. Will mitigate the issue of renewables being intermittent energy.



New Clean Energy is Growing Exponentially



Exponential growth of low energy LED lighting

Exponential growth of Electric Vehicles

At these exponential rates new clean electricity could totally replace conventional electricity in just 16 years!



- 1. Speak Truth to Power:** Support climate change solutions at council meetings and other open forums with elected leaders. Support and vote for elected officials who will act on climate issues. Work to defeat those who will not.
- 2. Talk about Climate Change:** Watch the Al Gore film 'An Inconvenient Truth' and the sequel 'Truth to Power'. Use the 10 minute primer on the video as a great conversation starter. See: www.climaterealityproject.org
- 3. Write about Climate issues:** Write a letter to the editor, opinion piece or post on social media about the urgency of the climate crisis and climate solutions. Engage with those who do not see the problem.
- 4. Switch your Community to Renewables:** Tell community leaders you want clean energy for your village, town or city.
- 5. Make your Business and Employer more Sustainable:** Your business can save money while it saves the planet.
- 6. Run for Office:** There are thousands of opportunities to run for office; join a clean energy or sustainability company; or join a campaigning group; and make a difference at local, district, county, regional, national or even global level.
- 7. Walk the Walk at Home:** Purchase energy efficient appliances and consider switching to solar PV and/or switching to a 100% renewable electricity provider and Electric Vehicles. Think to reduce waste (energy, water, plastic, packaging, food)
- 8. Eat with the Planet in Mind:** Eating less meat; choosing local foods; and buying organic products helps reduce your environmental impact.
- 9. Vote with your Money:** Invest in or buy from companies with responsible environmental policies.



Contact Us

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email: info@dorkingsolarGroup.org

what can
you do? www.dorkingsolargroup.org/reducing-your-impact