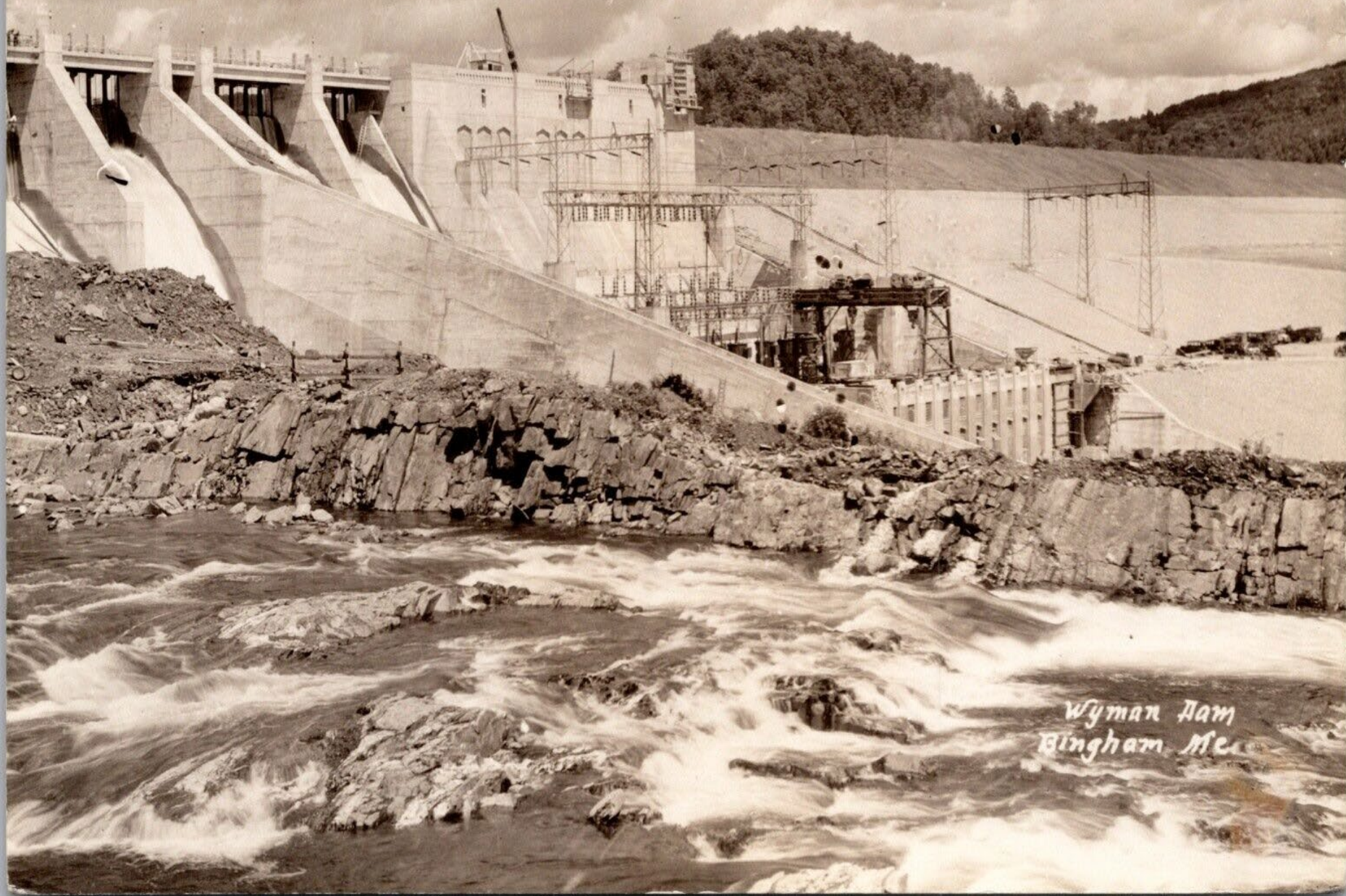


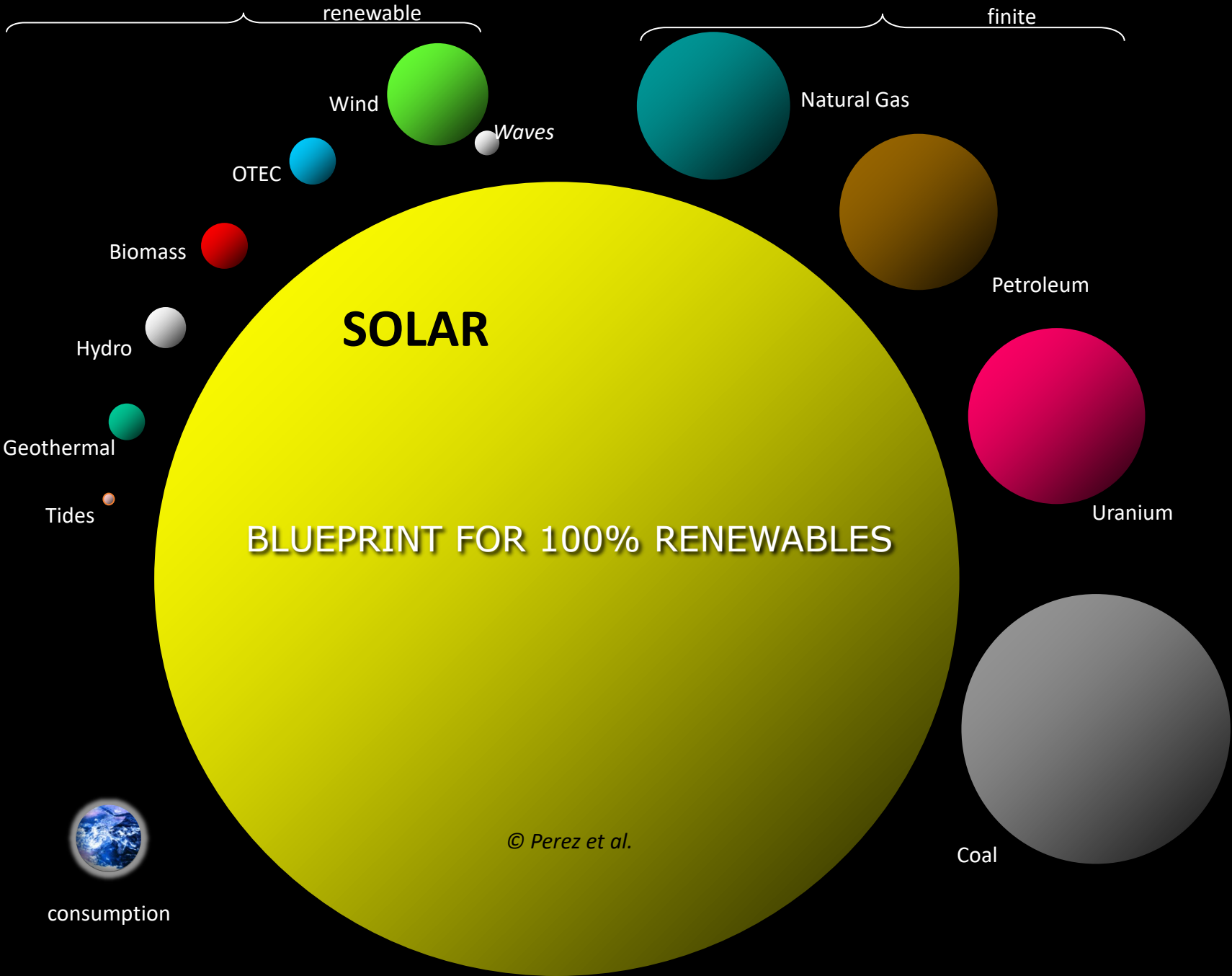
# Do We Have The Tools To Abandon Fossil Fuels?



Central Maine Power's Wyman Station Hydro Dam, Bingham, ME 1929



Wyman Dam  
Bingham Me.



renewable

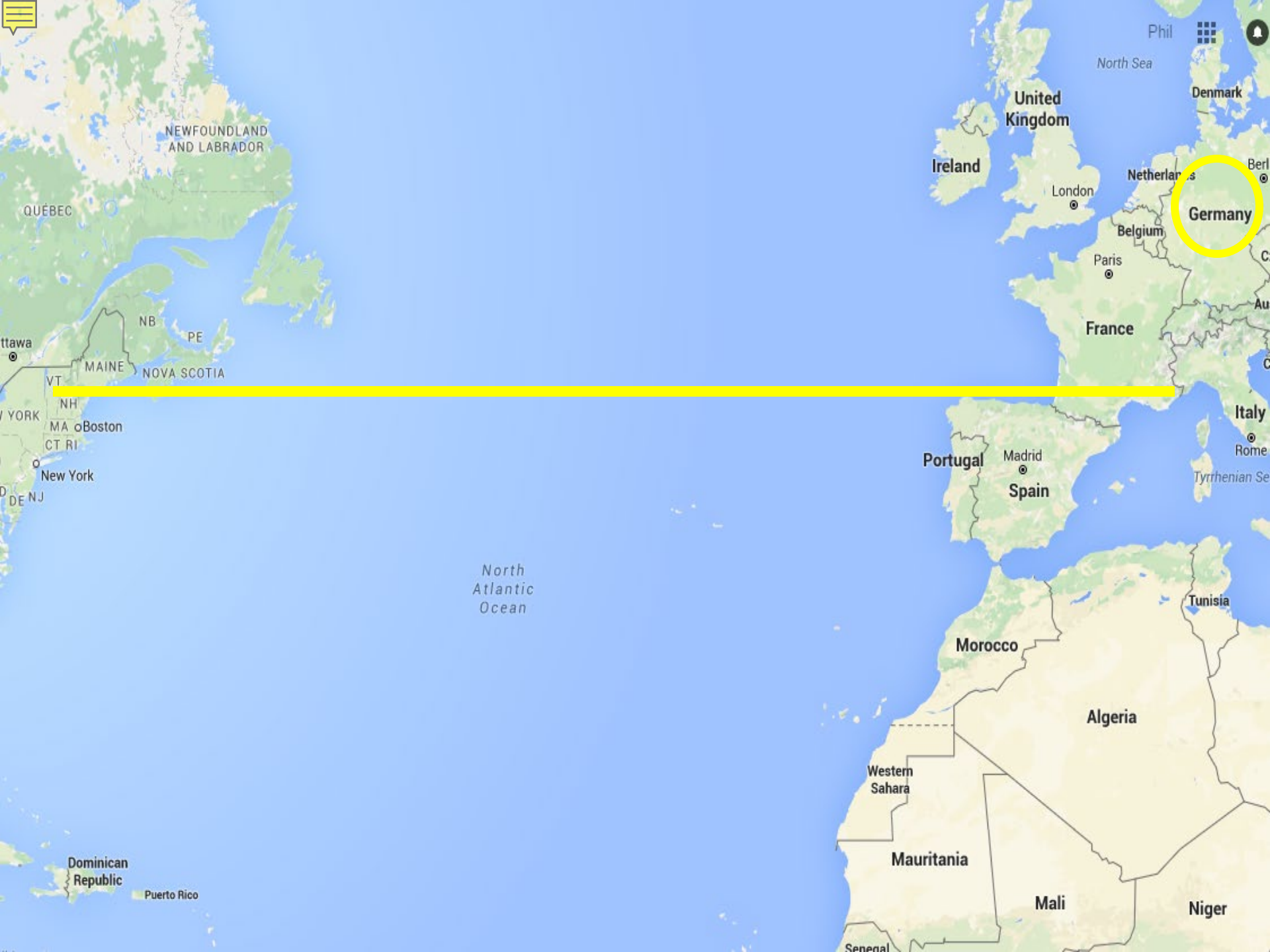
finite

**SOLAR**

BLUEPRINT FOR 100% RENEWABLES

© Perez et al.

consumption



Germany

North Atlantic Ocean

United Kingdom

France

Portugal

Spain

Morocco

Algeria

Tunisia

Western Sahara

Mauritania

Mali

Niger

NEWFOUNDLAND AND LABRADOR

QUÉBEC

NB

PE

NOVA SCOTIA

MAINE

VT

NH

MA Boston

CT RI

New York

DE NJ

Dominican Republic

Puerto Rico

Phil

North Sea

Denmark

Ireland

London

Netherlands

Belgium

Paris

Berlin

Au

Italy

Rome

Tyrrhenian Sea

Madrid

Tunisia



# Germany Achieves Milestone – Renewables Supply Nearly 100 Percent Energy for a Day

By Jessica Shankleman, Bloomberg

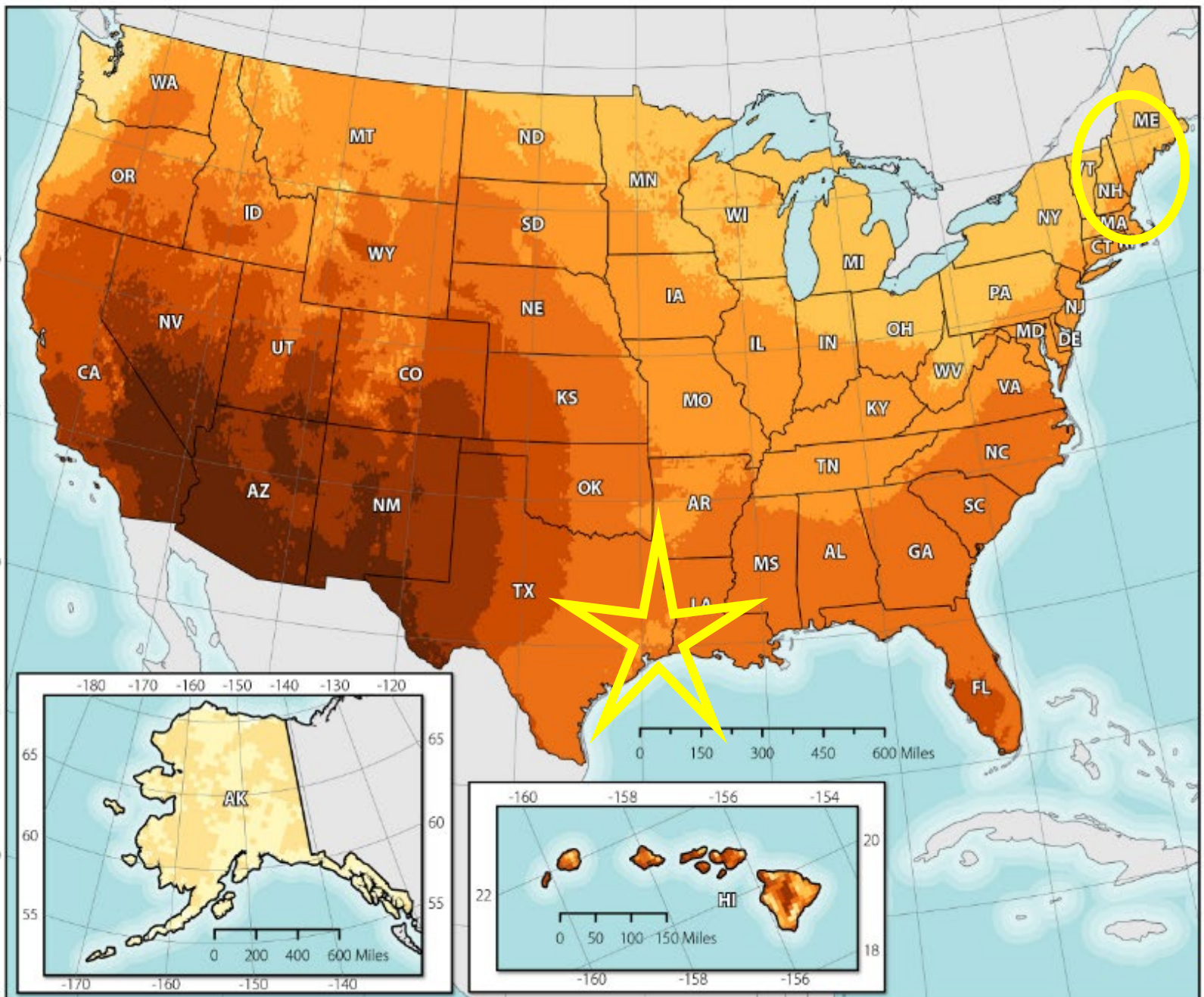
Clean power supplied almost all of Germany's power demand for the first time on Sunday, marking a milestone for Chancellor Angela Merkel's "Energiewende" policy to boost renewables while phasing out nuclear and fossil fuels.



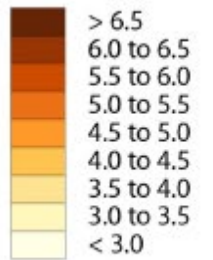
Solar and wind power peaked at 2 p.m. local time on Sunday, allowing renewables to supply 45.5 GW as demand was 45.8 GW, according to provisional data by Agora Energiewende, a research institute in Berlin. Power prices turned negative during several 15-minute periods yesterday, dropping as low as minus 50 euros (\$57) a MWh, according to data from Epex Spot.

# Photovoltaic Solar Resource of the United States

-125 -120 -115 -110 -105 -100 -95 -90 -85 -80 -75 -70 -65



**kWh/m<sup>2</sup>/Day**



Annual average solar resource data are shown for a tilt = latitude collector. The data for Hawaii and the 48 contiguous states are a 10km satellite modeled dataset (SUNY/NREL, 2007) representing data from 1998-2009.

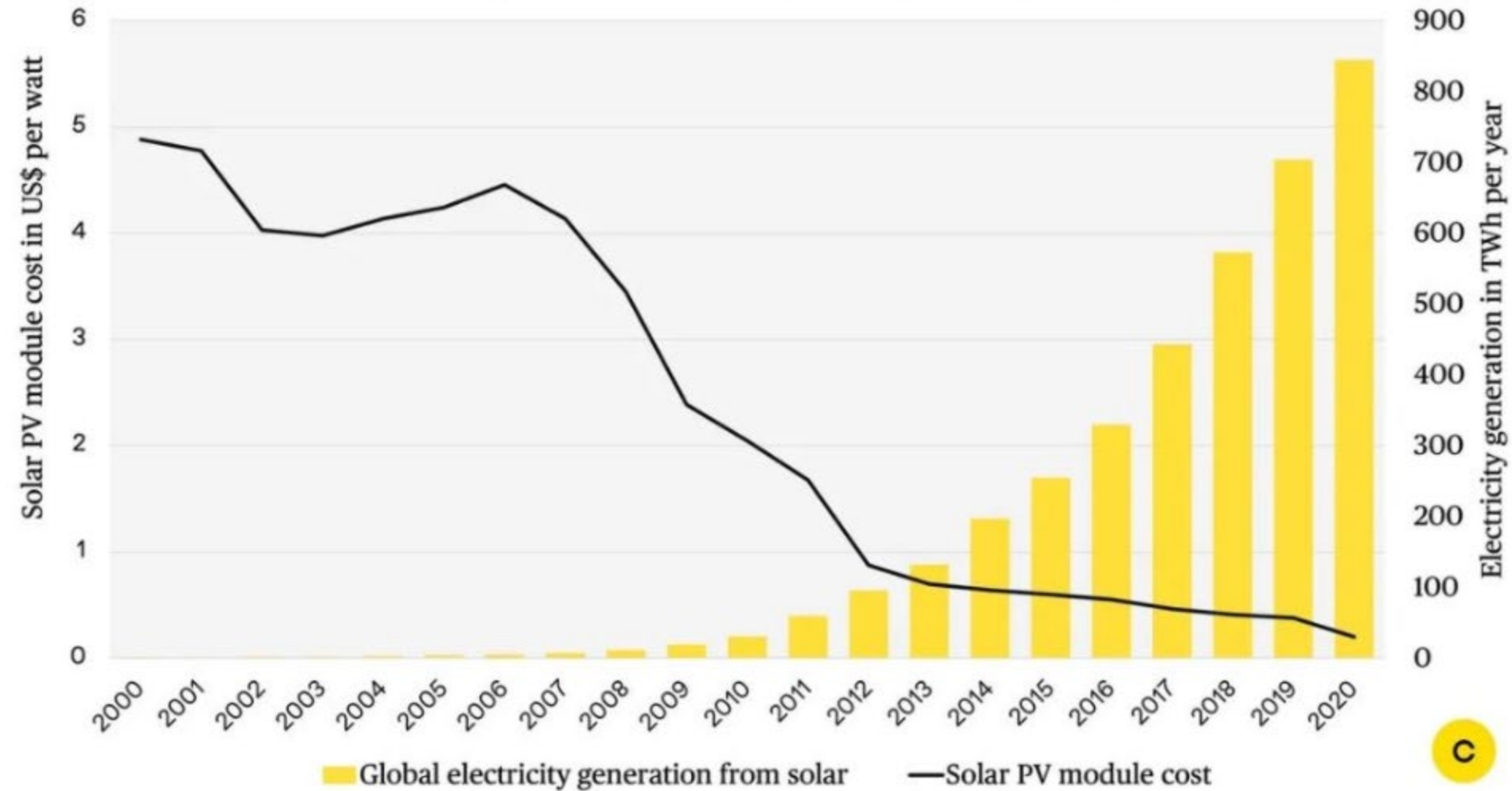
The data for Alaska are a 40 km dataset produced by the Climatological Solar Radiation Model (NREL, 2003).

This map was produced by the National Renewable Energy Laboratory for the U.S. Department of Energy.  
Billy J. Roberts  
19 September 2012





## Solar power soars as panel prices plunge



Source: [Our World in Data](#); Canary Media analysis

# 1900 New York City





# 1913 New York City

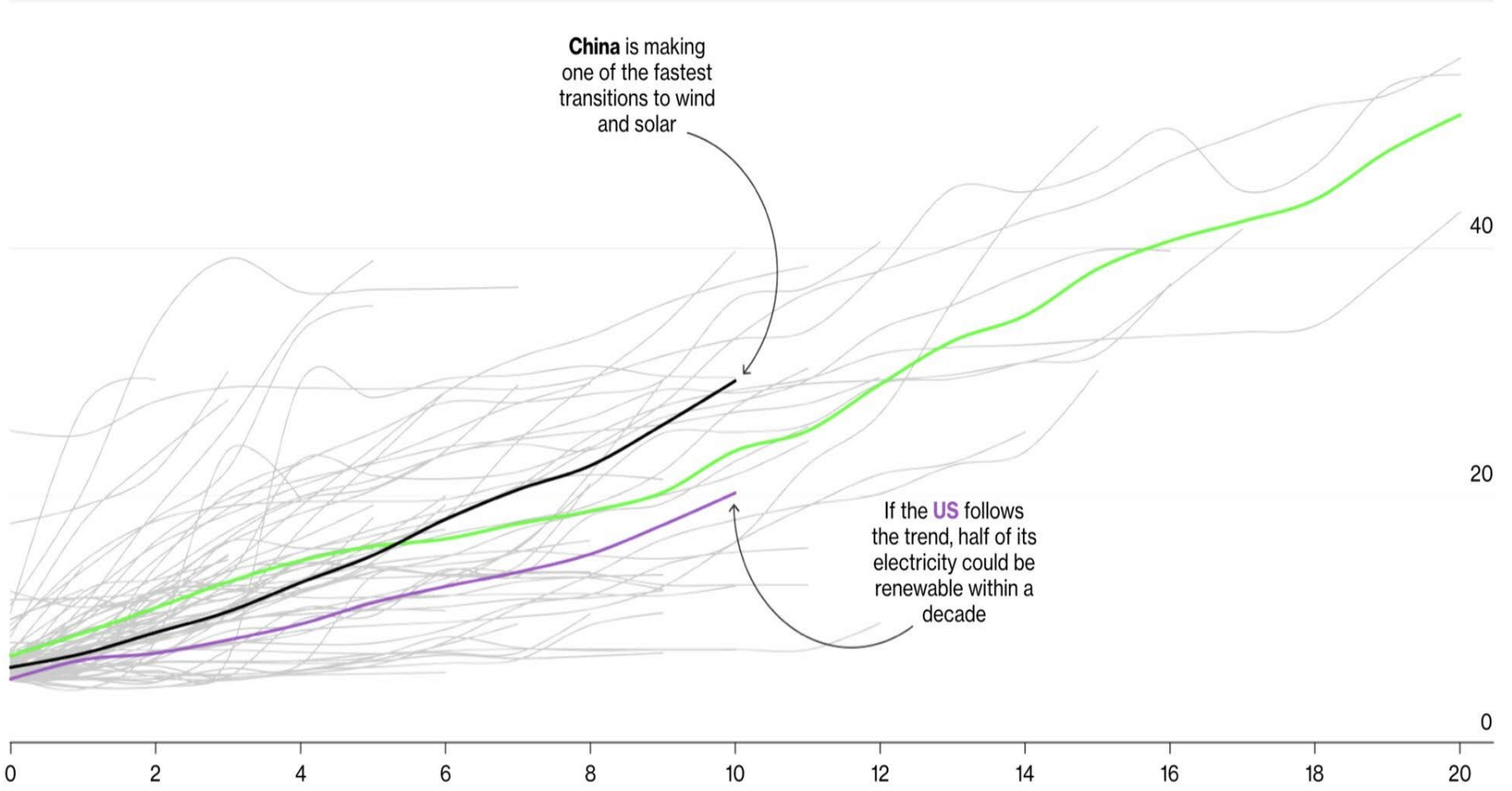


# How Fast Is the World Switching to Renewables?

87 countries have passed the 5% tipping point into widespread adoption

12-month moving average

Renewable share of total capacity ▼  
60%



Note: Renewables include all sources of wind and solar and excludes other forms of zero-emissions generation.

Source: BloombergNEF



Jennifer Granholm • 3rd+

U.S. Secretary of Energy

7h •

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This is HUGE. "For the first time, the world invested as much money into replacing fossil fuels as it spent on producing oil, gas and coal..."

[https://lnkd.in/g\\_M4h2Gb](https://lnkd.in/g_M4h2Gb)

**Bloomberg**

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Green | ESG

# **\$1 Trillion Green Investment Matches Fossil Fuels for First Time**

World spent \$1.1 trillion transitioning to clean power in 2022, same as amount spent producing oil and gas.



# Carbon reduction

We recognize that human activity is impacting our global climate and requires action by us all.

While we provide our customers with cleaner transportation fuels, we also strive to do so with the least impact to our environment, particularly by reducing our carbon footprint.



IRVING

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WITH SOLAR POWER

Former Duke in Truss, VA



DEVISION  
ENERGY

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AVAILABLE

FAST  
CHARGER



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72.5kW DC-DC



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Mar 2, 2021 - 03:36 pm

# World's largest electric ferry launches in Norway

---





Yara Birkeland

Zero Emission

YARO



# Caterpillar unveils an all-electric 26-ton excavator with a giant 300 kWh battery pack

Fred Lambert - Jan. 29th 2019 6:00 am PT [@FredericLambert](#)



**John Deere: 'We believe in electric tractors. 100%'**







This year, the garden produced more than 8,000 pounds of produce, while the panels above generate enough power for 300 local homes.



# Apple Facilities Powered Entirely by Clean Energy

Tech giant Apple says its global facilities are now powered with 100 percent clean energy.



# U.S. Air Force Academy

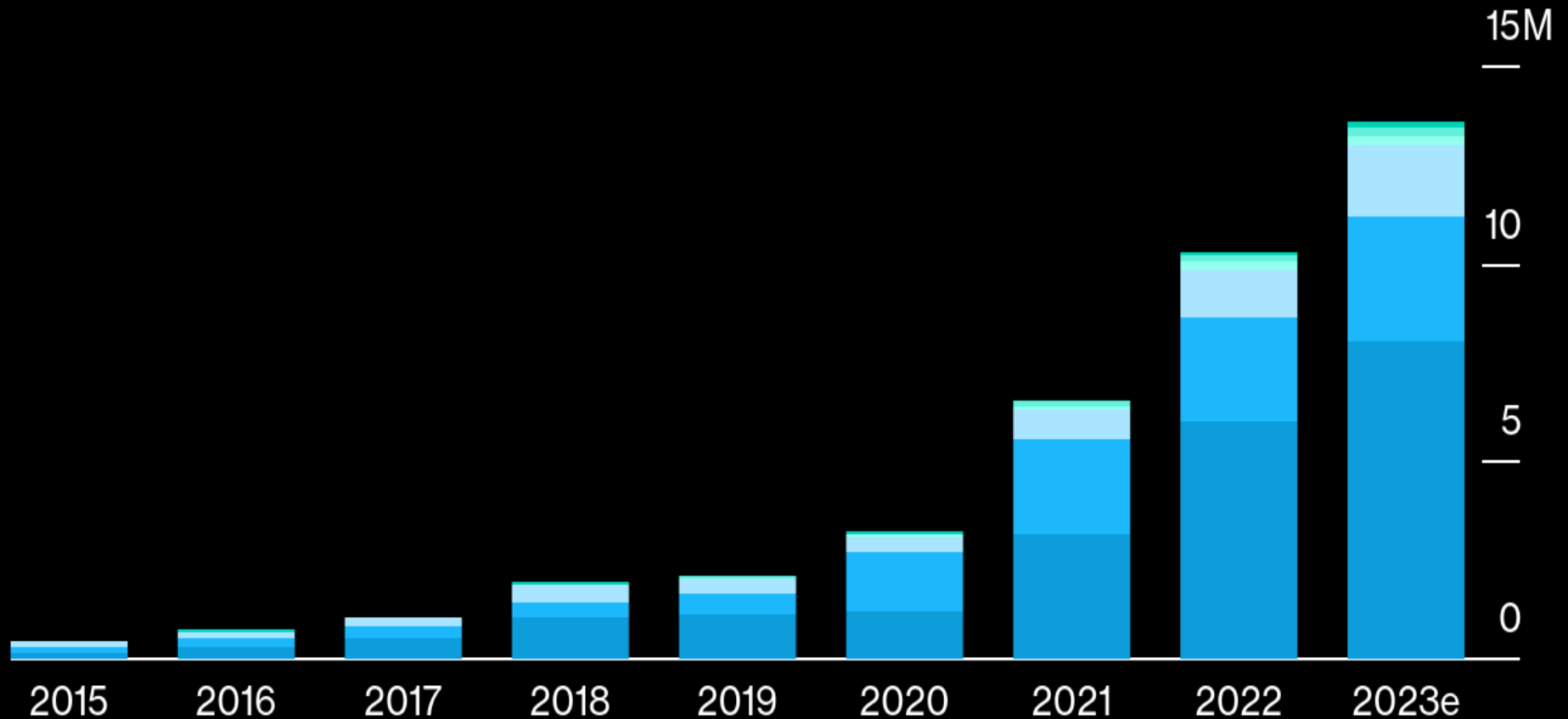
## Colorado Springs, Colorado



# Surging Electric Vehicle Sales

2023 global passenger EV sales could top 13.6 million

China Europe North America Rest of World S. Korea Japan



Source: BloombergNEF, MarkLines

Includes battery electrics and plug-in hybrids. Excludes commercial vehicles and two- and three-wheelers. Some December 2022 values estimated



# Staggering \$1.5 billion lithium deposit discovered near Newry; excavating it poses a challenge

The find, one of the richest on Earth, could test Maine's 2017 metallic mining laws, considered the strictest in the nation.

BY **KATE COUGH** | OCTOBER 24, 2021





**World's cheapest energy storage will be an iron-air battery, says Jeff Bezos-backed start-up**



Image courtesy of

#### ENERGY STORAGE

# Largest Pumped-Hydro Facility In World Turns On In China





MY team  
my COLORS



Make **life** better

by building our just and equitable electric future.

MY team  
my COLORS  
A Maestros