



Das Klima ändert sich – und wir uns mit ihm

Tag der Versicherungswirtschaft

27. Oktober 2016

Thomas Vellacott, CEO WWF Schweiz

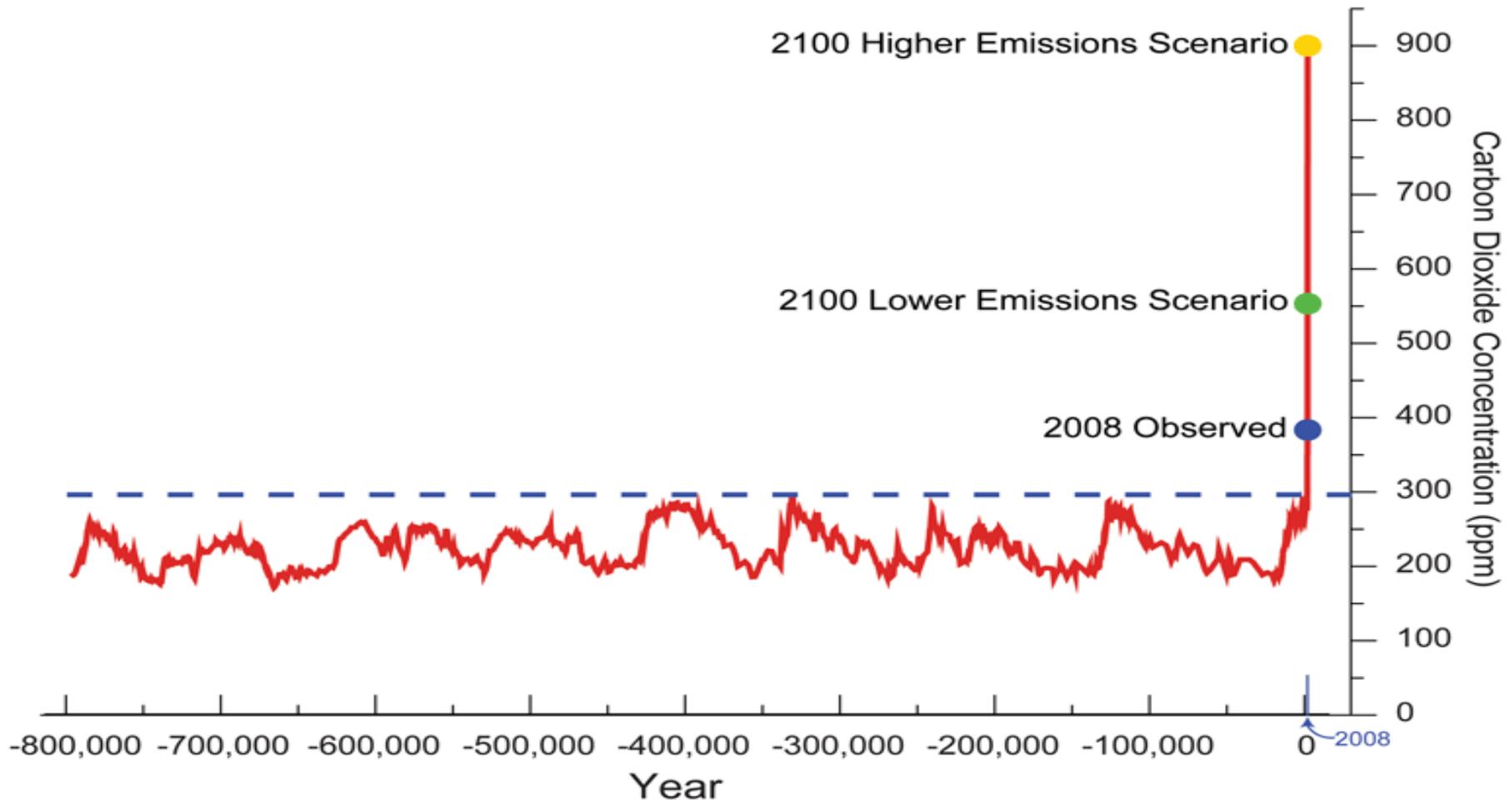


- 1. Herausforderung Klimawandel**
- 2. Disruptiver Wandel**
- 3. Hindernisse überwinden**



Ein hoch riskantes Experiment

CO₂-KONZENTRATION IN DER ATMOSPHÄRE
PPM



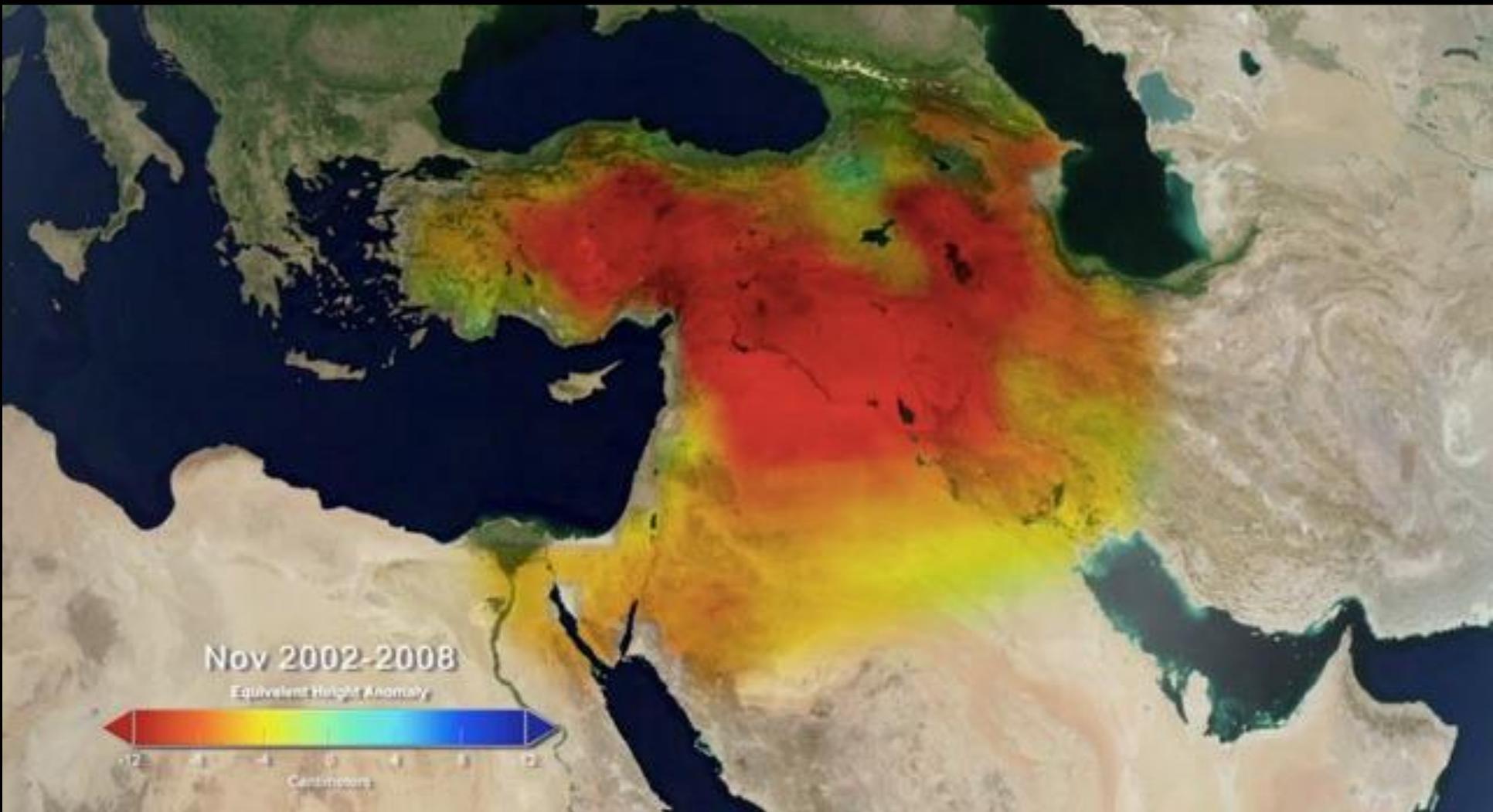


I DON'T BELIEVE IN
GLOBAL WARMING





Quellen: WHO, BBC, The Guardian, 2016



Quellen: Center for Climate and Security, earthintransition.org, 2016



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Conférence sur les Changements Climatiques

COP21/CMP11

Paris France

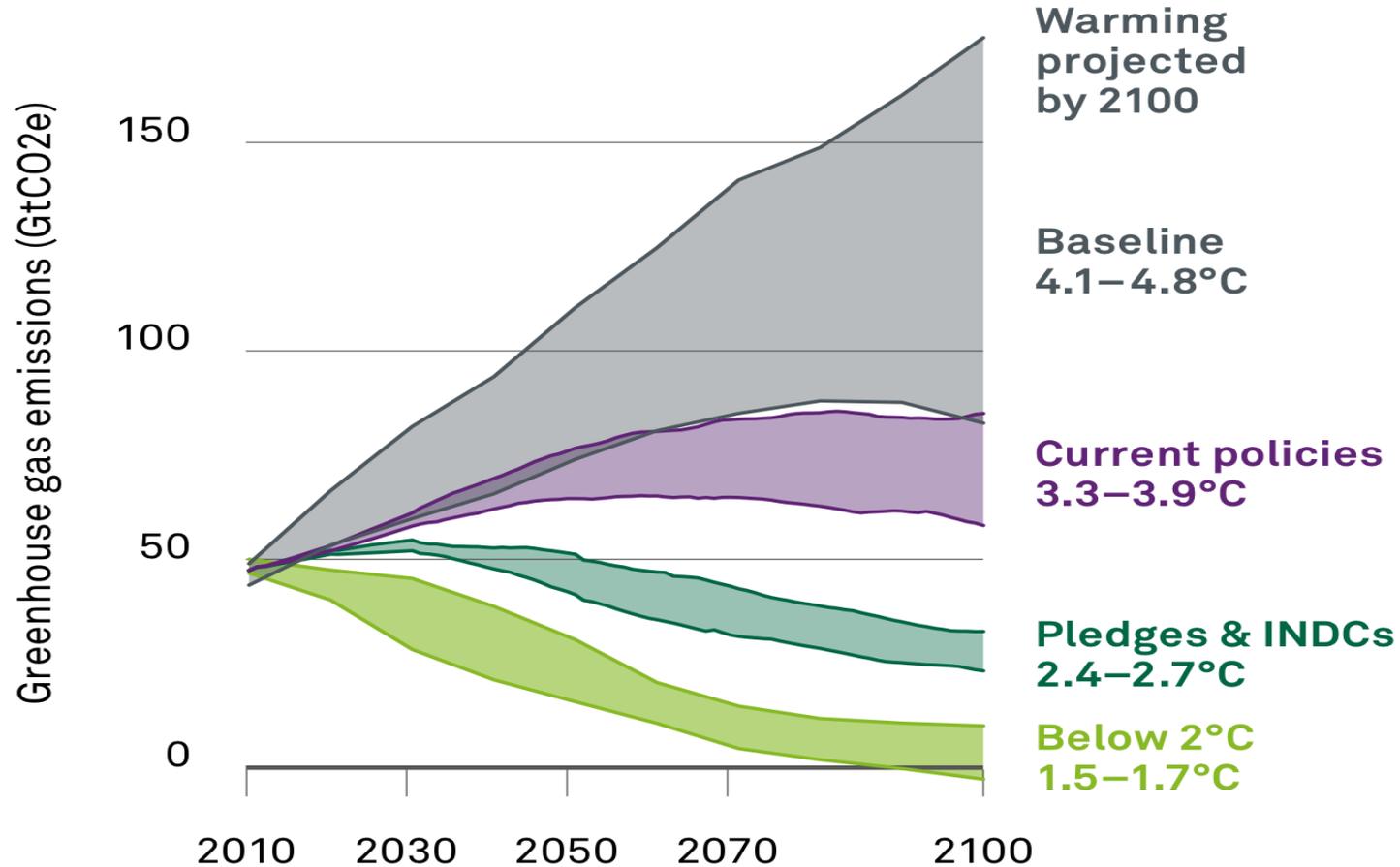




Rasches Handeln erforderlich

Globale Erwärmung bis ins Jahr 2100

4 Szenarien

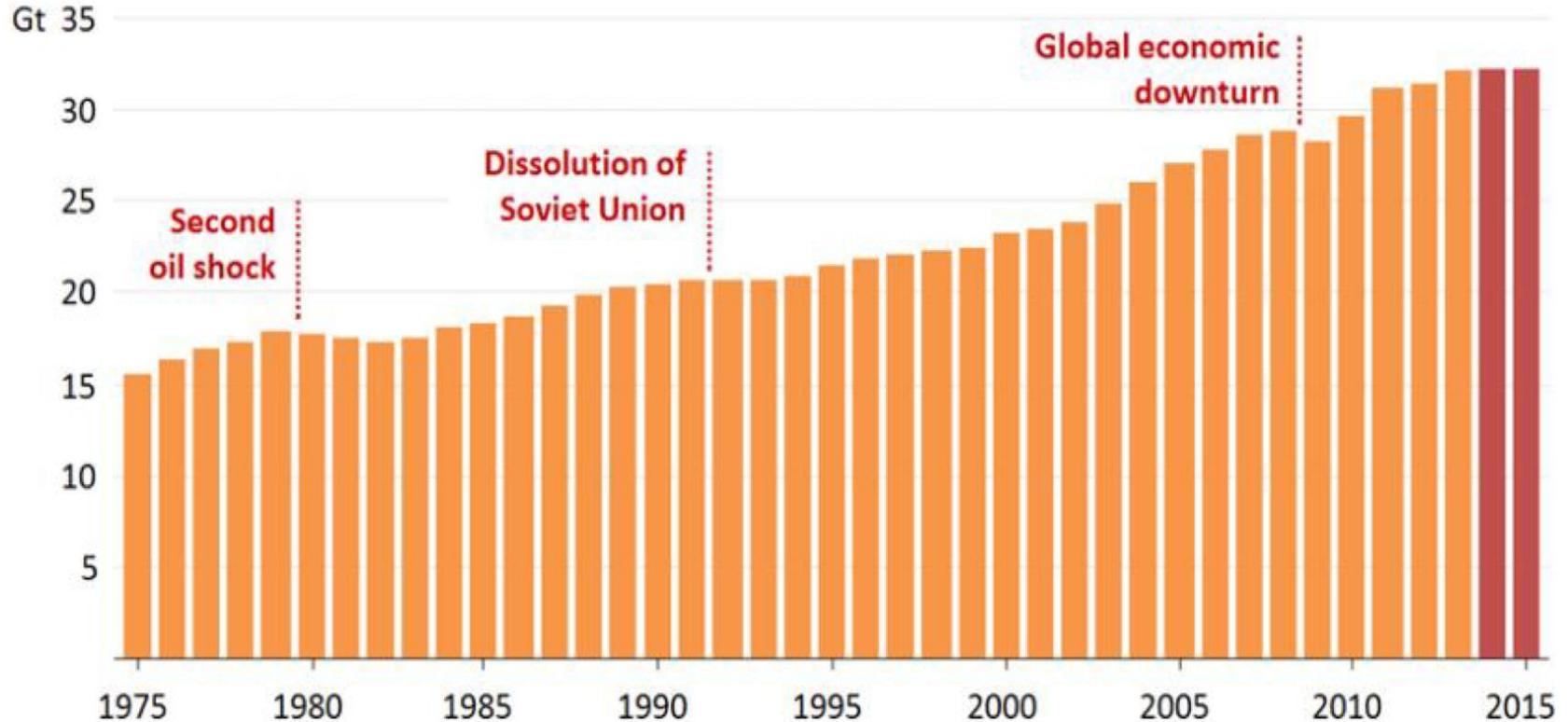




Stagnierende CO₂-Emissionen bei wachsender Wirtschaft

WORLDWIDE GREENHOUSE GAS EMISSIONS

Gt

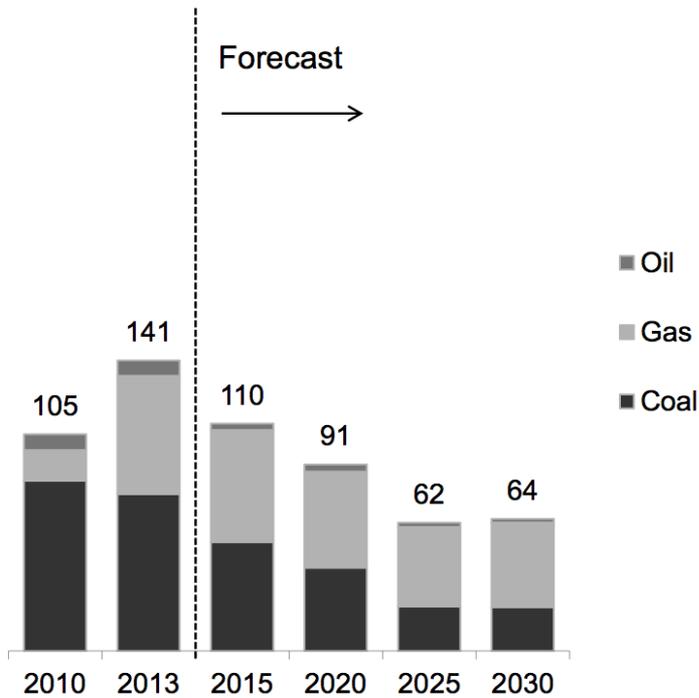




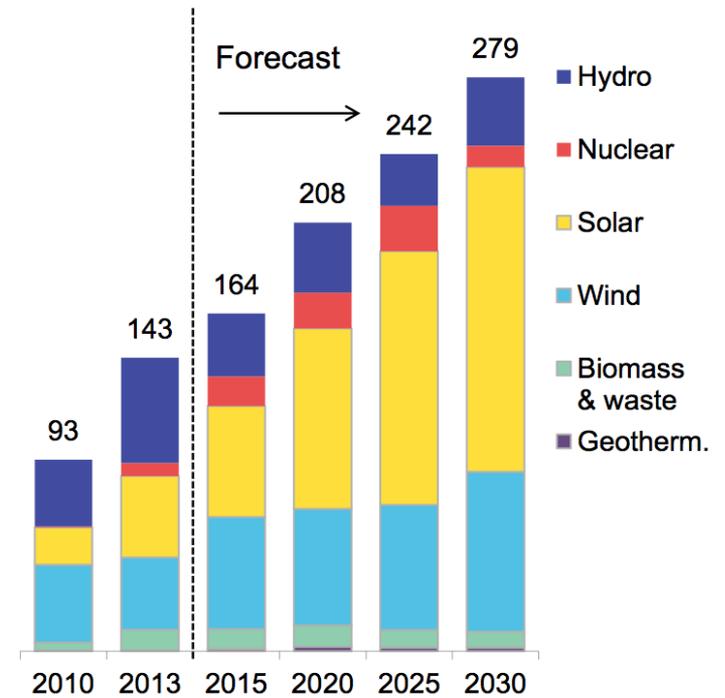
Weltweite Energiewende im Gang

WORLDWIDE ADDITION OF POWER GENERATION CAPACITY GW

FOSSIL FUEL



CLEAN ENERGY

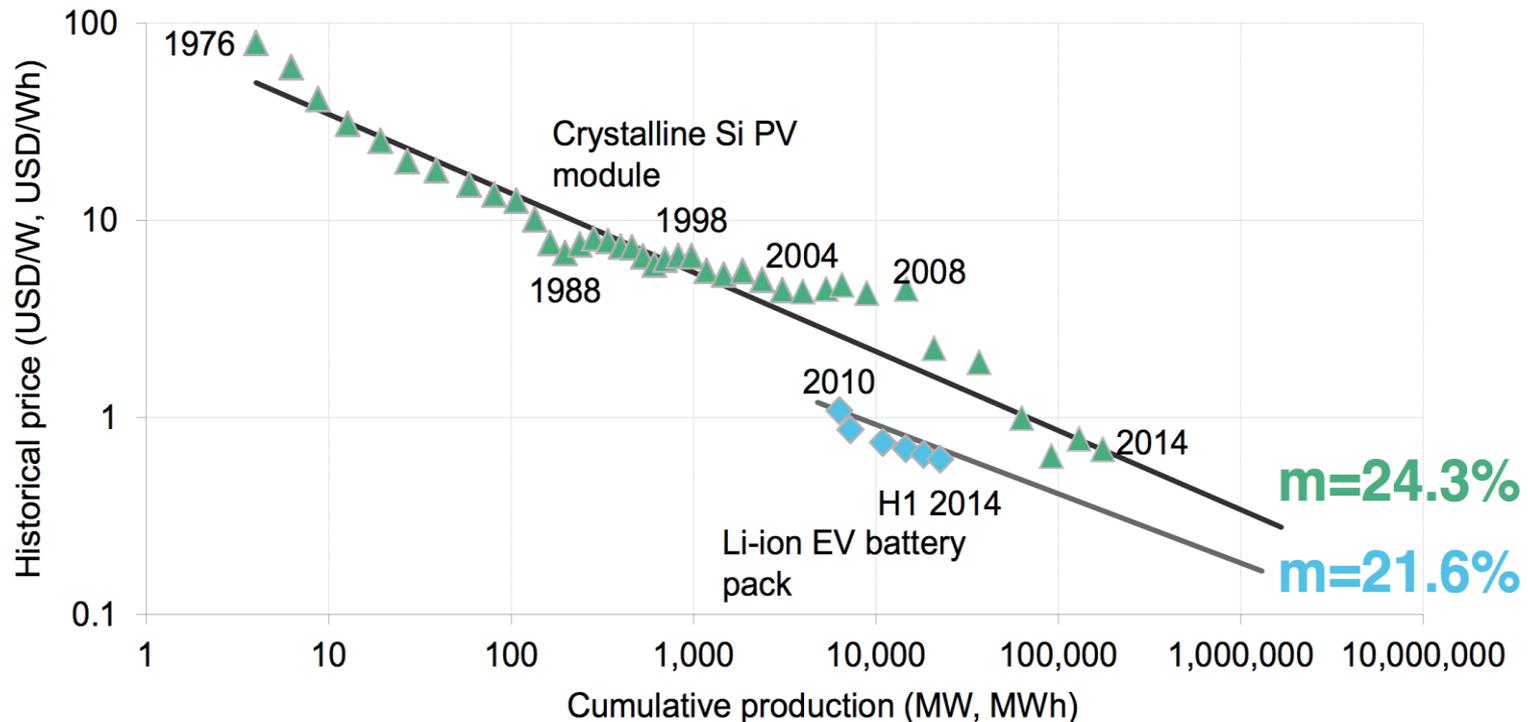




Steile Lernkurven bei Erneuerbaren und Speichertechnologien

LERNKURVEN

PV-Module und Lithium-Ionen EV-Batterien



Note: Prices are in real (2014) USD.

Source: Bloomberg New Energy Finance, Maycock, Battery University, MIT

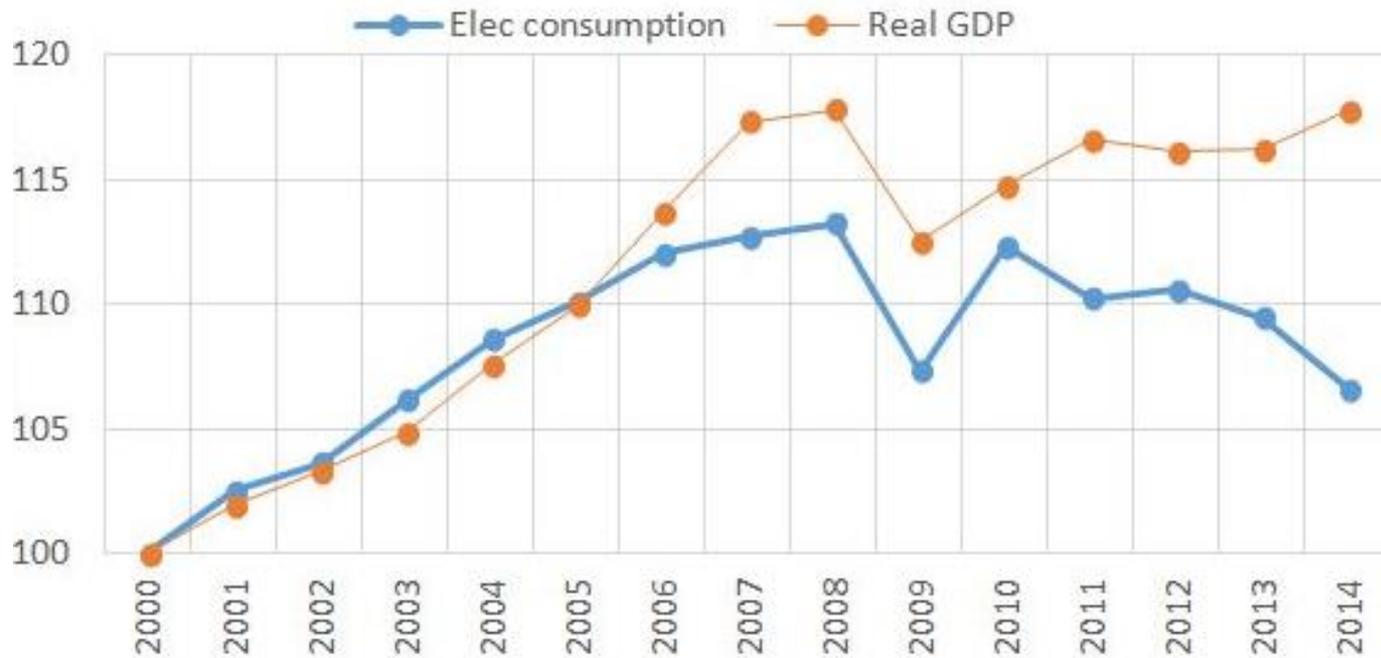
Quelle: M. Liebreich, Bloomberg New Energy Finance, 2015



Entkoppelung von Wirtschaftswachstum und Energieverbrauch

STROMVERBRAUCH UND WIRTSCHAFTSWACHSTUM IN DER EU

Indexiert (2000 = 100)





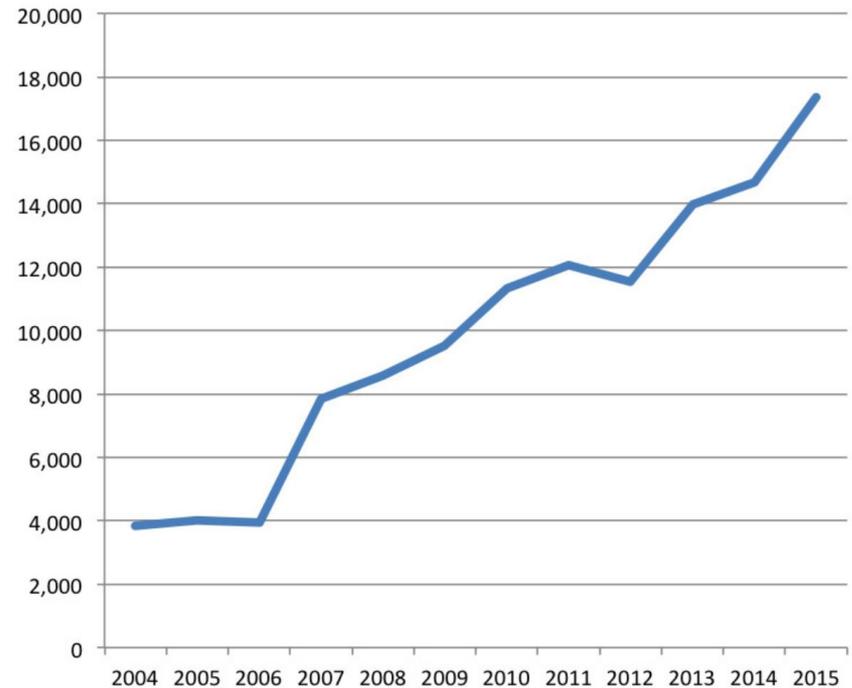
Auslaufmodell Kohle

“Enormous energy needs around the world point to the early stages of what we expect to be a long-lived supercycle for coal – a period of sustained market expansion to meet the requirements of an emerging global middle class,”

*Peabody,
Annual Report 2011*

AUSSERBETRIEBNAHME VON KOHLEKRAFTWERKEN

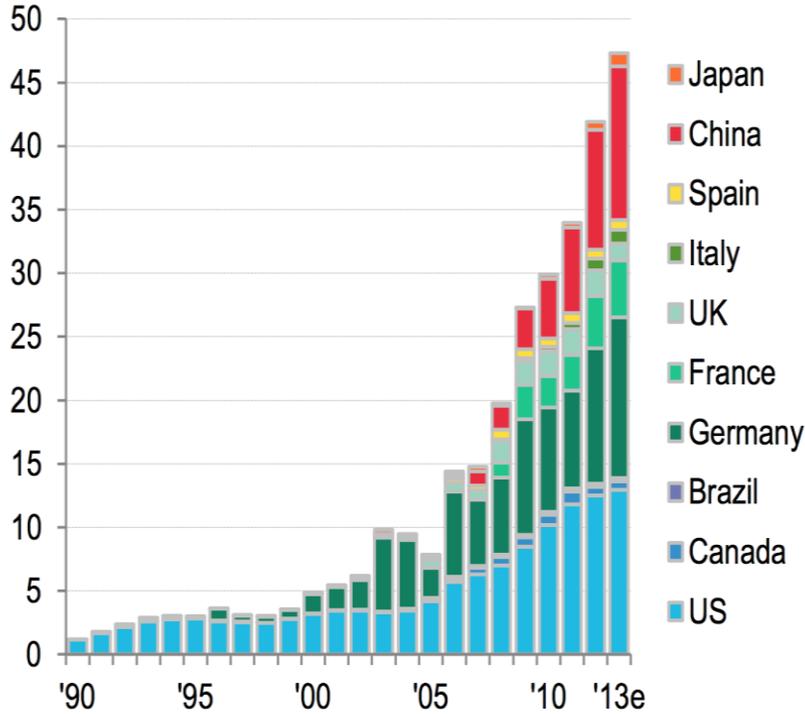
MW, 2004-2015 (5-year moving average)



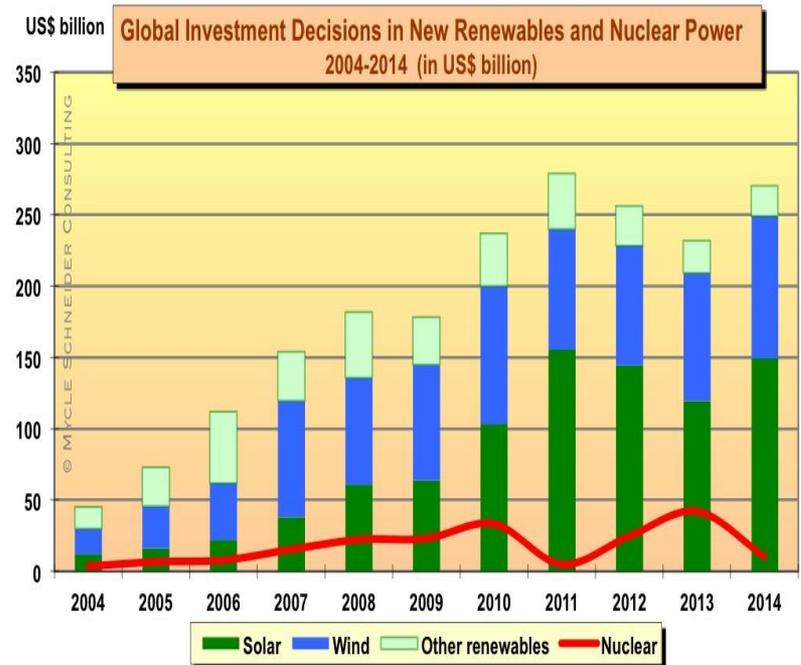


Investitionen fließen in Energieeffizienz und erneuerbare Energien

INVESTITIONEN IN ENERGIEEFFIZIENZ *In Mrd. USD, 1990-2013*



INVESTITIONEN IN NEUE ERNEUERBARE ENERGIEN UND ATOMKRAFT *In Mrd. USD, 2004-2014*



Norway confirms \$900bn sovereign wealth fund's major coal divestment

Parliament's move come as analysis shows largest fossil fuel divestment yet will affect 122 companies across the world, including SSE and Drax in the UK

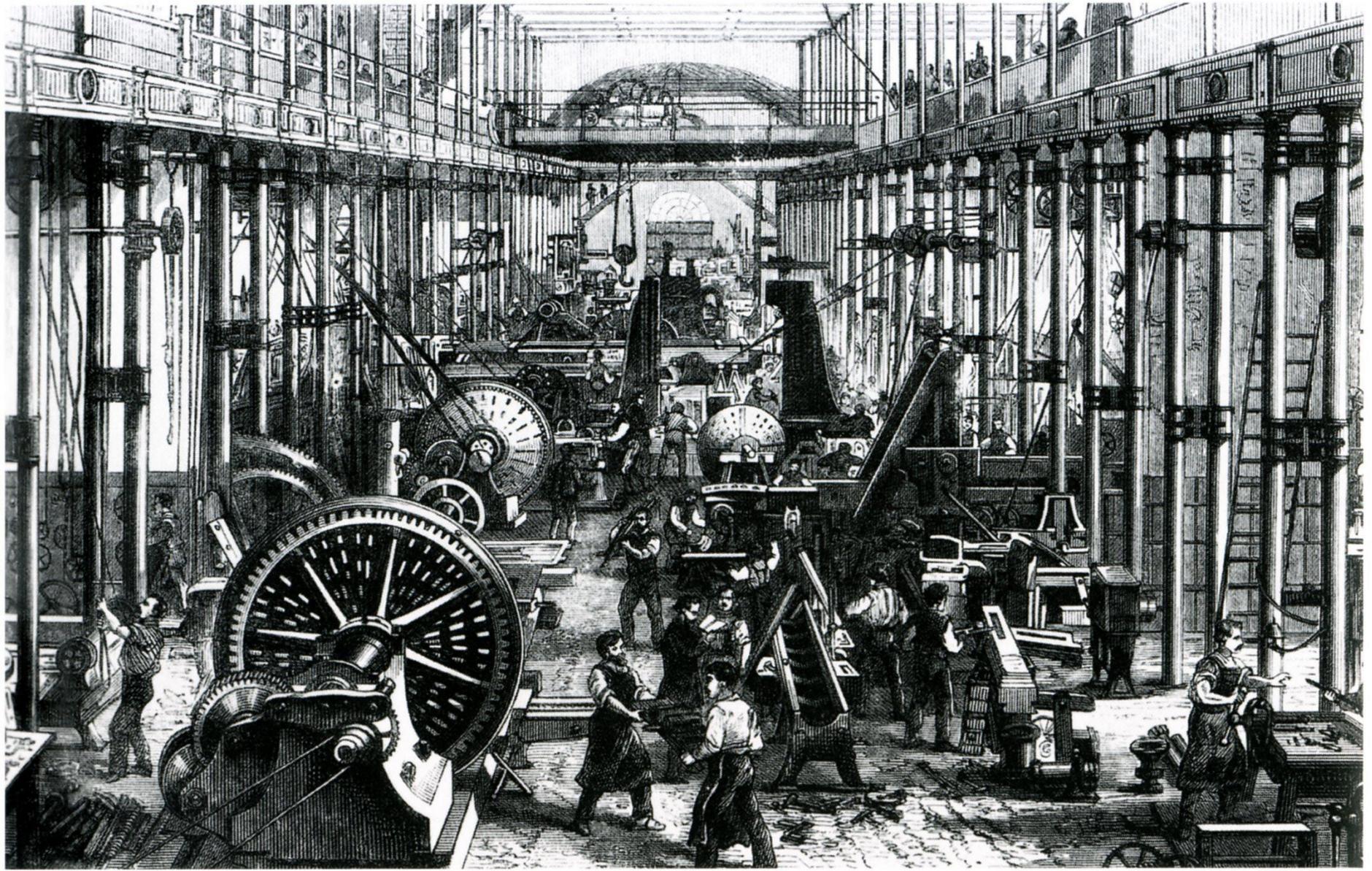


📷 Norway's pension fund is set to sell \$49m stake in Drax, which runs UK's biggest coal-fired power station, above, in Selby, north Yorkshire. Photograph: Alamy

I believe the **auto industry** will change more in **the next five to 10 years** than it has in the last 50

Mary Barra
CEO and Chairman of General Motors







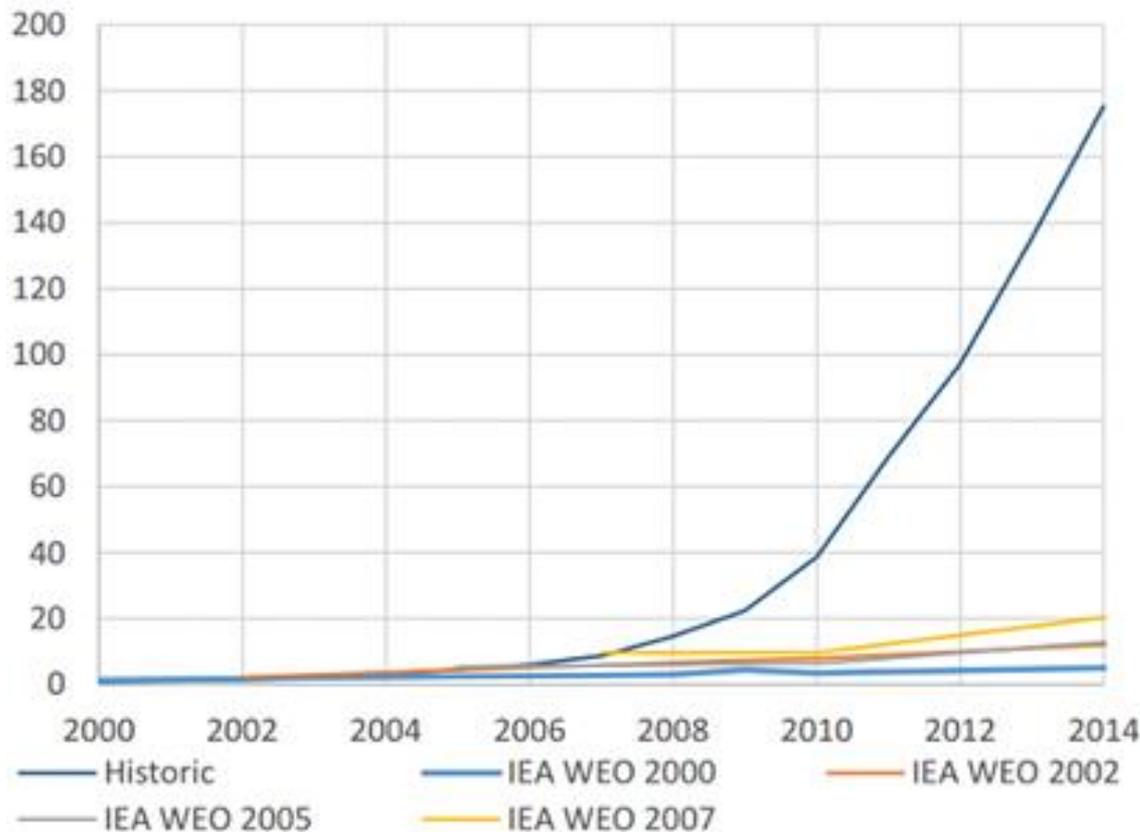
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1.

Energiewende erkennen

SOLAR PV INSTALLED CAPACITY, IEA FORECASTS AGAINST ACTUAL GW



1900



Source: T Seba, 2014



“I do not believe the introduction of motor-cars will ever affect the riding of horses.”

*John Douglas Scott Montague,
1903*

1913





2.

Verhinderer stoppen

Fossil fuels subsidised by \$10m a minute, says IMF

'Shocking' revelation finds \$5.3tn subsidy estimate for 2015 is greater than the total health spending of all the world's governments



Sources: IMF, The Guardian, 2015

Die Erdöl-Lobby führte die Konsumenten in die Irre

von D. Pomper - Die Erdöl- und Erdgas-Lobby muss irreführende Werbung stoppen. Greenpeace wittert Morgenluft.



1/6

Heizen mit Öl: Laut Greenpeace Schweiz ist das schädlich für die Umwelt und teuer.



Arizona to impose new tax on solar lease customers

The State Department of Revenue has reinterpreted its tax policy, reassessing leased solar panels as "merchant power plants" that must be taxed.

07. May 2014 | [Applications & Installations](#), [Global PV markets](#), [Industry & Suppliers](#), [Markets & Trends](#) | By: Ian Clover

The battle lines for solar in Arizona are being redrawn this week following an about-turn on PV tax policy from the State Department of Revenue.

In a move that has angered solar supporters in the state and beyond, Arizona's State Department of Revenue has proposed a reinterpretation of a tax policy that exempts solar equipment from property tax. The exemption currently covers all types of rooftop solar panels, but the State Department now says that only those solar panels owned outright are exempt from tax, with homeowners who lease solar panels facing a possible \$152 increase to their annual property tax bill.



3.

Gemeinsam die Energiewende gestalten



M&S



Munich RE

TOSHIBA



“Climate change is real. The scientific debate is over: the evidence is overwhelming. Delaying action is no longer an option. It is time for concrete and effective action.”

- Letter from CEOs to world leaders,
April 17, 2015





THIS IS THE TURNING POINT

CONGRATULATIONS, WORLD LEADERS, on securing the Sustainable Development Goals. But we're not going to achieve them unless we take action on **CLIMATE CHANGE**.

Organizations working with more than

6,000,000

COMPANIES AROUND THE WORLD

want an ambitious climate deal at COP21 in Paris this December.

