



RETEN
WIR UNS
JETZT

There is
NOT REA
CLIMATE
JUSTICE

CO₂
LOVE
IS IN
THE AIR

MIT 140K
IN
DEN TOD

I CAN'T
BELIEVE
IT'S STILL
POSSIBLE
TO PROTECT
THIS

FUTURE





Supply and demand determine the price

Falling price at more demand

Rising price at more demand

Emerging new industry

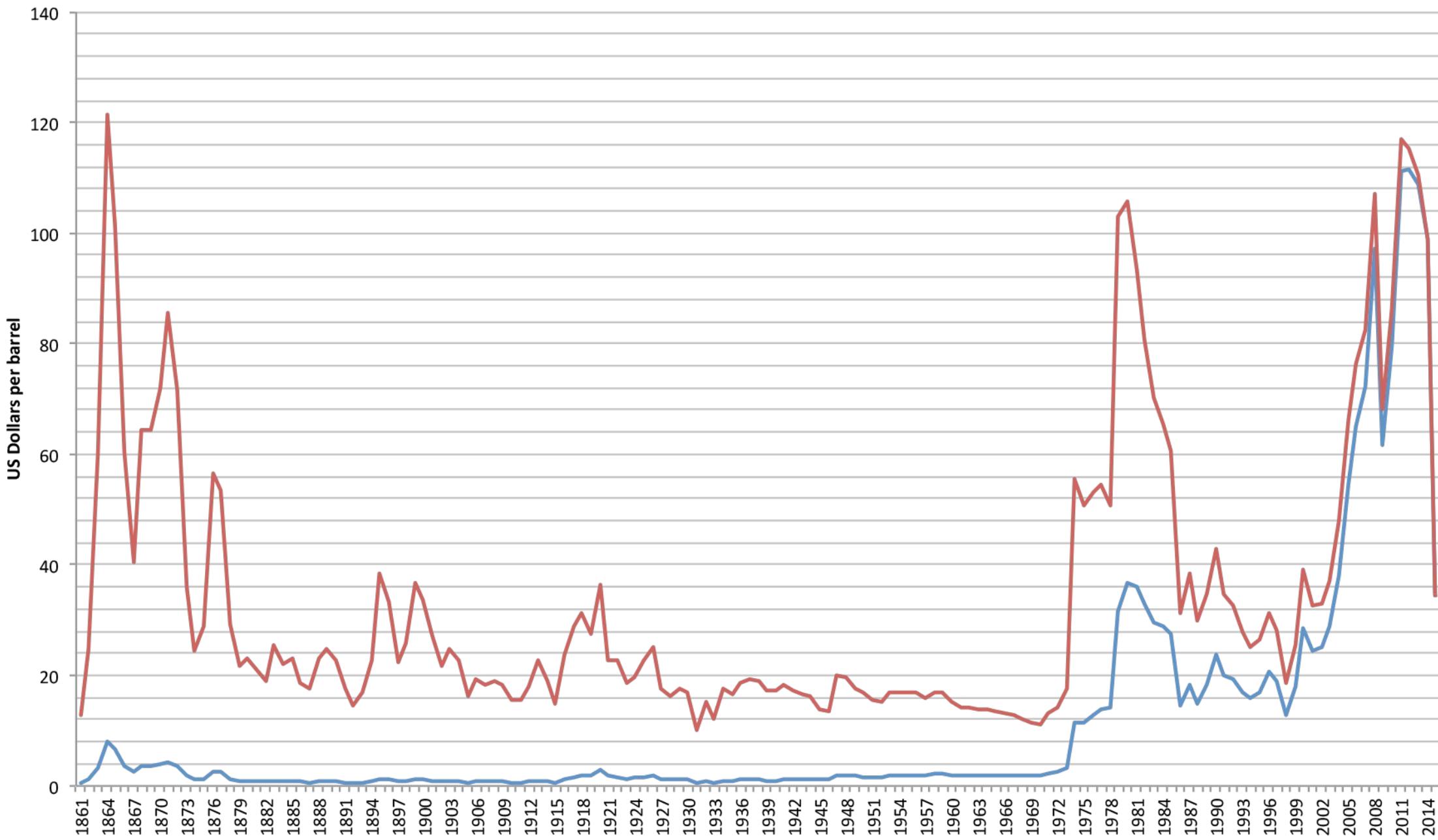
Limited offer

Disruption, displacement of old industry

Price-fixing and cartelization

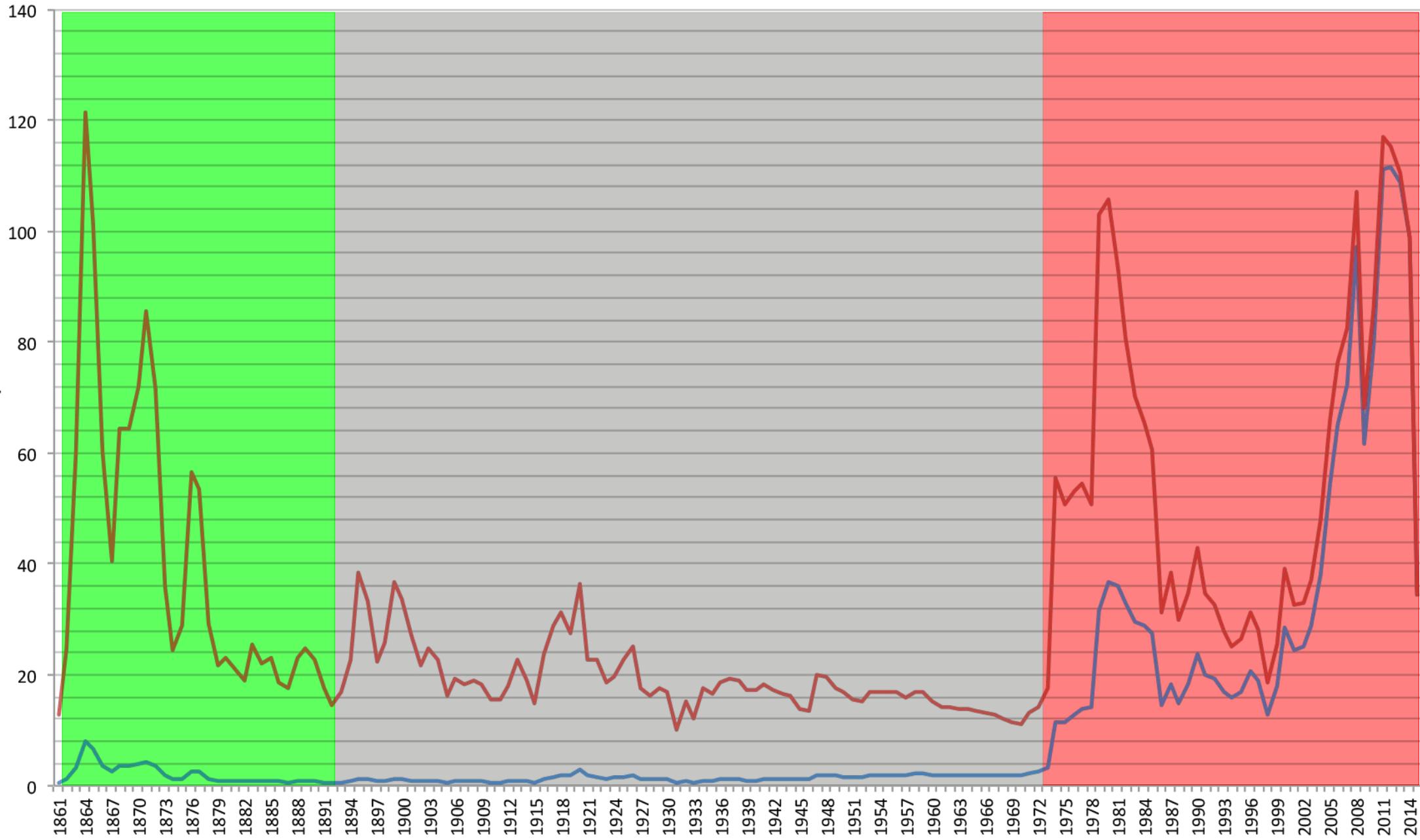
CRUDE OIL PRICES SINCE 1861

Nominal Real (2014 dollar)



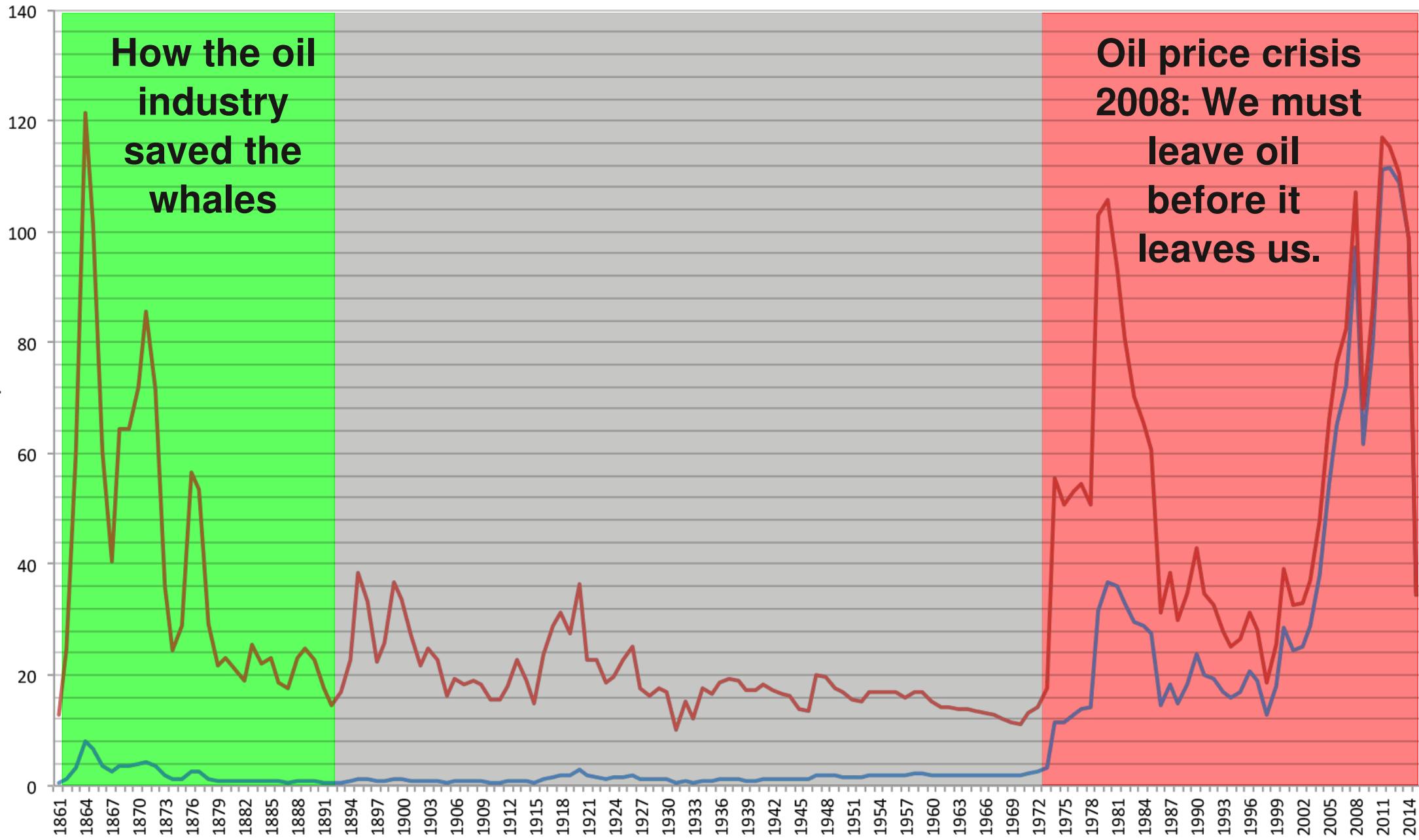
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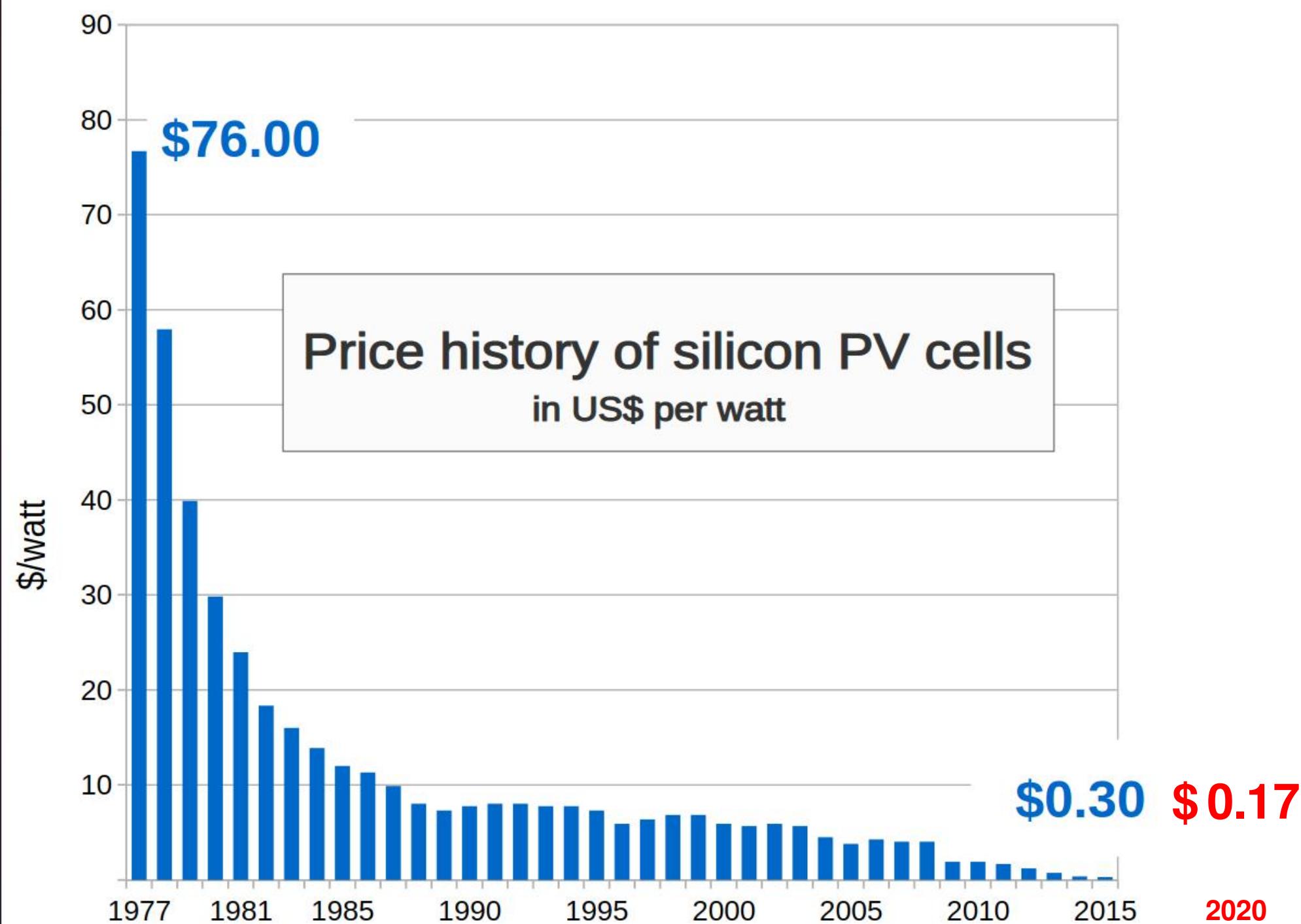
Nominal Real (2014 dollar)



CRUDE OIL PRICES SINCE 1861

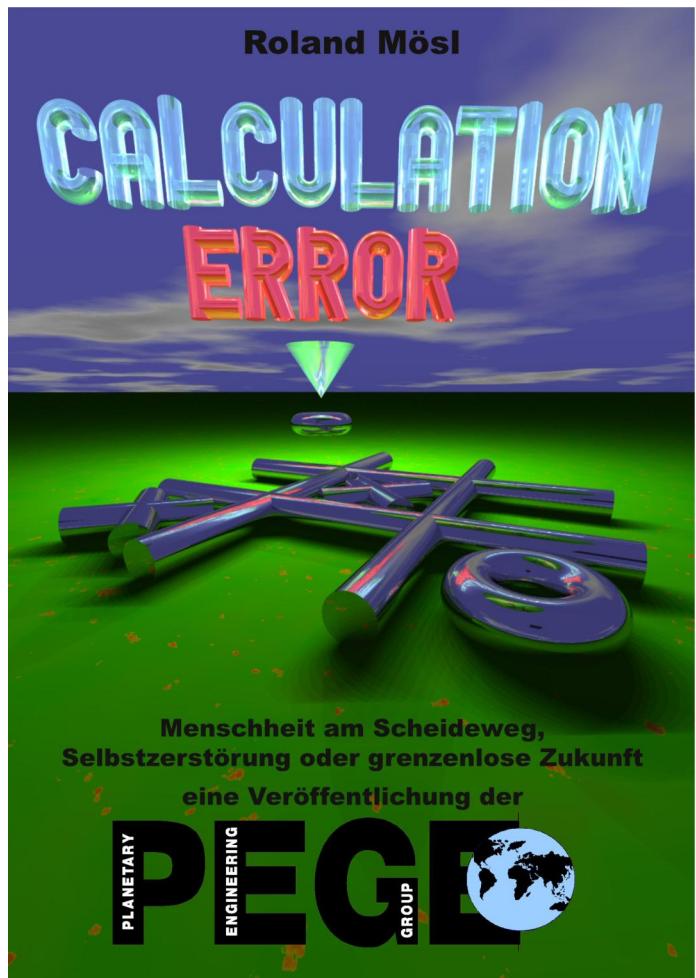
Nominal Real (2014 dollar)





Source: Bloomberg New Energy Finance & pv.energytrend.com

Roland Mösl



2013
Page 395

	Installation	Yield/year	Price
Photovoltaic	1200 GW	1100 TWh	1000 G-EUR
Wind energy	150 GW	300 TWh	200 G-EUR
Other renewables		100 TWh	100 G-EUR
Battery storage	4 TWh		800 G-EUR
Electricity to methane	300 GW		150 G-EUR
Gas storage	300 TWh		25 G-EUR
CCPP power plants	150 GW		100 G-EUR

When is the transition from “emerging new industry” to “normal market” ?

For the oil industry we know that was 1892, but how many years in the future will this be for photovoltaics and batteries?

My forecasts for “100 % renewable energy” in Germany have decreased from 2013 with 2,375 G€ to 1,325 G€.

But perhaps the 1.325 G€ is also much too pessimistic.

	Installation	Yield/year	Price
Photovoltaic	1400 GW	1200 TWh	600 G-EUR
Wind energy	100 GW	200 TWh	100 G-EUR
Other renewables		50 TWh	50 G-EUR
Battery storage	4 TWh		300 G-EUR
Electricity to methane	300 GW		150 G-EUR
Gas storage	300 TWh		25 G-EUR
CCPP power plants	150 GW		100 G-EUR

The price lie: more money for climate protection

It's not the money, it's

- * Motivation**
- * Credit**
- * Possibility**

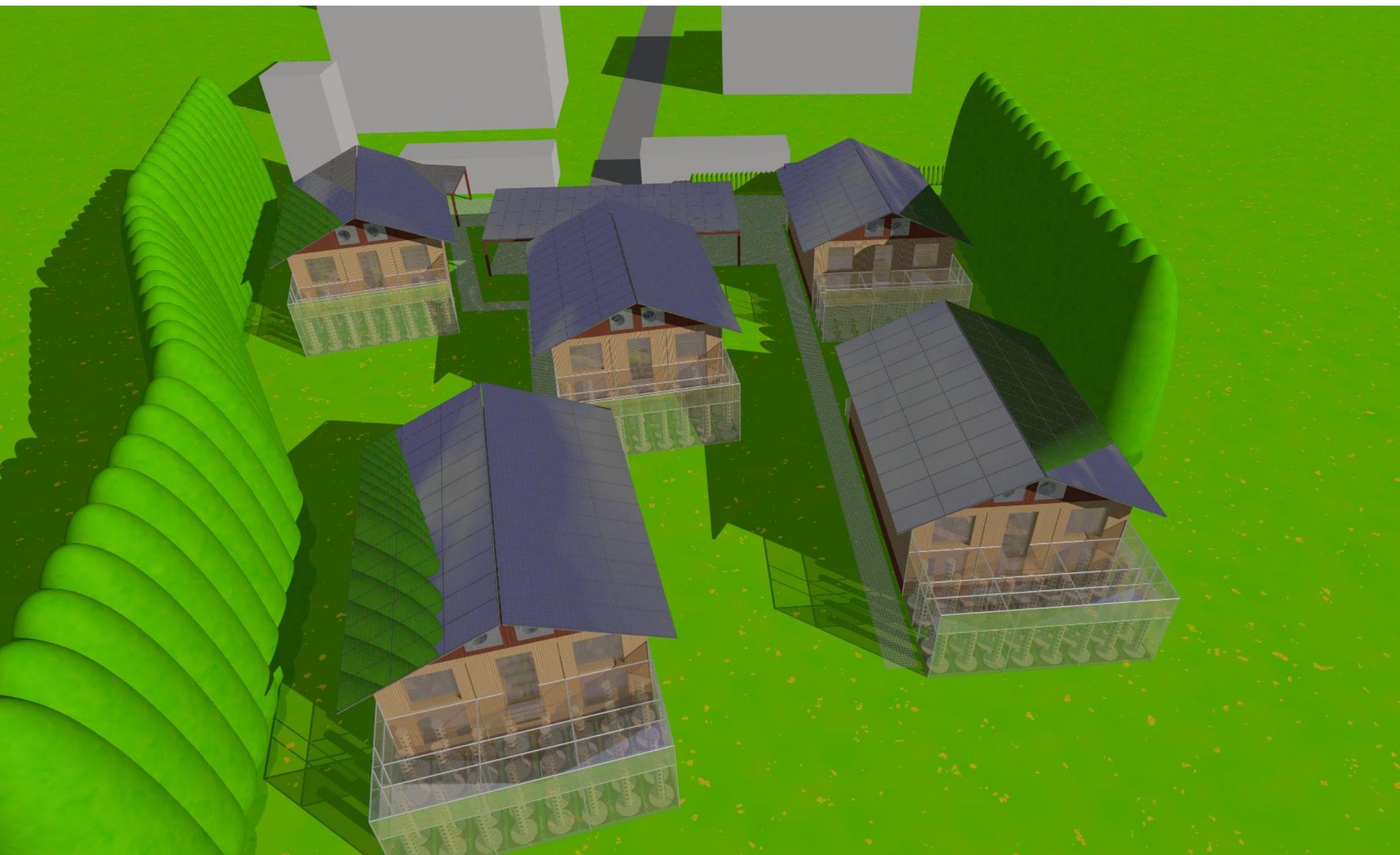
This motivates drivers to buy newer cars or retrofit catalytic converters

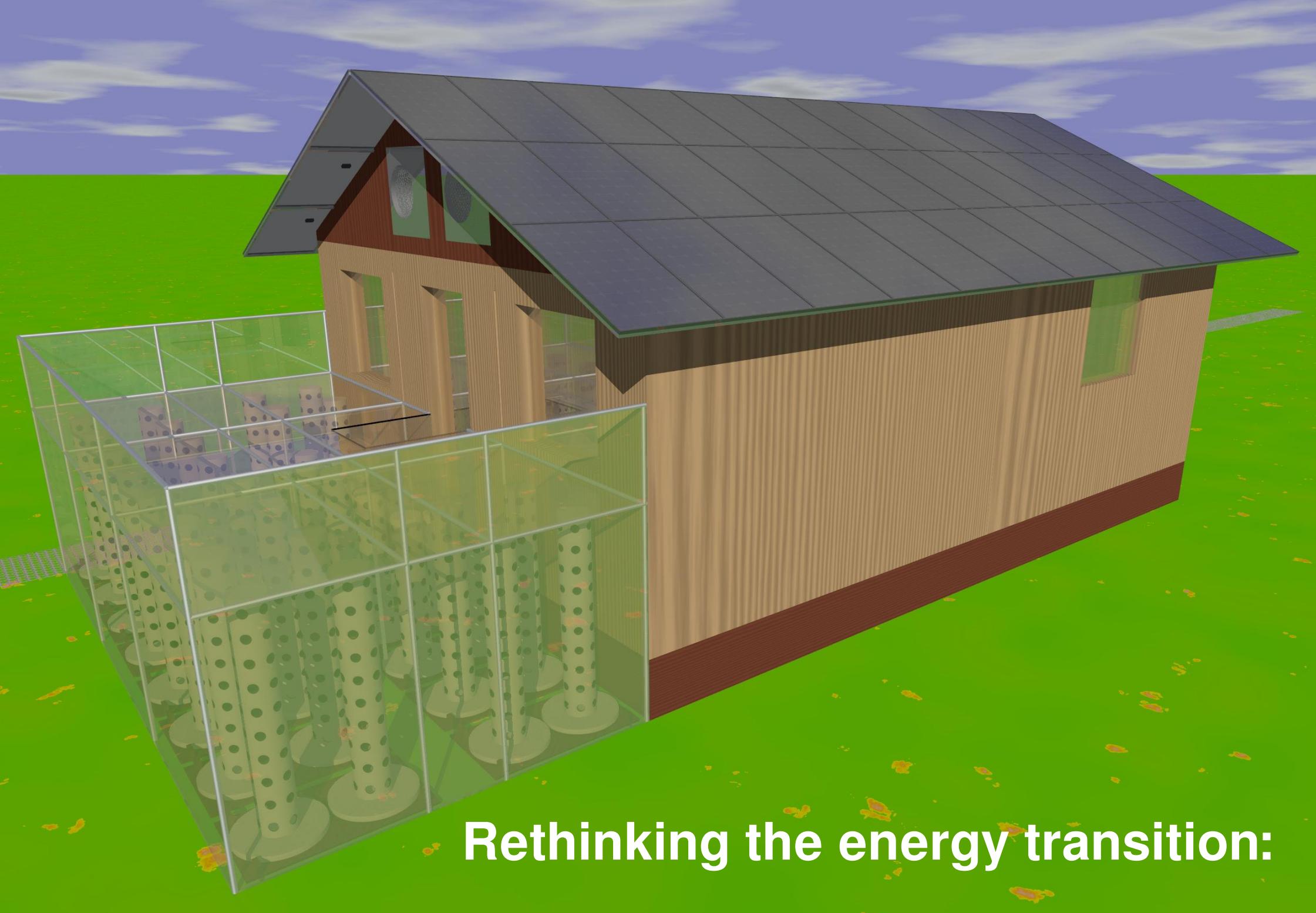
Schadstoffklasse	Motor	Steuersatz (je 100 cm³ Hubraum) bei Erstzulassung bis 30. Juni 2009					Steuersatz bei Erstzulassung ab 1. Juli 2009	Freigrenze bis zu der der CO₂-Ausstoß unberücksichtigt bleibt (Datum der Erstzulassung)	Bemerkungen
		bis 30.6.1997	1.7.1997 – 31.12.2000	1.1.2000 – 31.12.2003	1.1.2004 – 31.12.2004	ab 1.1.2005			
Euro 4	Otto			5,11 €	6,75 €	6,75 €			
	Diesel			13,80 €	15,44 €	15,44 €			
Euro 3 D3 und besser	Otto	13,20 DM (6,75 €)	10,00 DM (5,11 €)	5,11 €	5,11 €	6,75 €	2,00 € je 100 cm³ + CO₂-Zuschlag (2,00 € je g/km oberhalb der Freigrenze)	1. Juli 2009 – 31. Dezember 2011: 120 g/km 1. Januar 2012 – 31. Dezember 2013: 110 g/km seit 1. Januar 2014: 95 g/km	
	Diesel	37,10 DM	27,00 DM (13,80 €)	13,80 €	15,44 €	15,44 €	9,50 € je 100 cm³ + CO₂-Zuschlag (2,00 € je g/km oberhalb der Freigrenze)		Zuschlag von 1,20 € pro 100 cm³ für Fahrzeuge ohne Rußfilter der Stufe PM5 (1. April 2007 – 31. März 2011)
Euro 2	Otto	13,20 DM		6,14 €	7,36 €	7,36 €			
	Diesel			14,83 €	16,05 €	16,05 €			seit 1. April 2007
Euro 1	Otto	13,20 DM	13,20 DM	10,84 €		15,13 €			seit 1. Januar 2005
	Diesel	37,10 DM		23,06 €	23,06 €	27,35 €			seit 1. April 2007
nicht schadstoffarm (Fahren bei Ozonalarm erlaubt)	Otto	21,60 DM	21,60 DM			21,07 €			seit 1. Januar 2005
	Diesel	45,50 DM	45,50 DM			33,29 €			seit 1. Januar 2005
schadstoffarm (Fahren bei Ozonalarm nicht erlaubt)	Otto	13,20 DM	33,20 DM (16,98 €)	21,07 €	25,36 €	25,36 €			seit 1. Januar 2005
	Diesel	37,10 DM	57,10 DM (29,20 €)	25,36 €	33,29 €	37,58 €			seit 1. Januar 2005
übrige	Otto	18,80 DM / 21,60 DM				25,36 €			
	Diesel	42,70 DM / 45,50 DM	72,50 DM (37,58 €)	37,58 €	37,58 €	37,58 €			

Government loan guarantee to reduce costs:

- * Reduce energy costs by 200 € per month,
loan installment 180 € per month.**
- * Rent costs plus energy costs 900 € per month,
credit installment for home
minus energy sales 800 € per month**

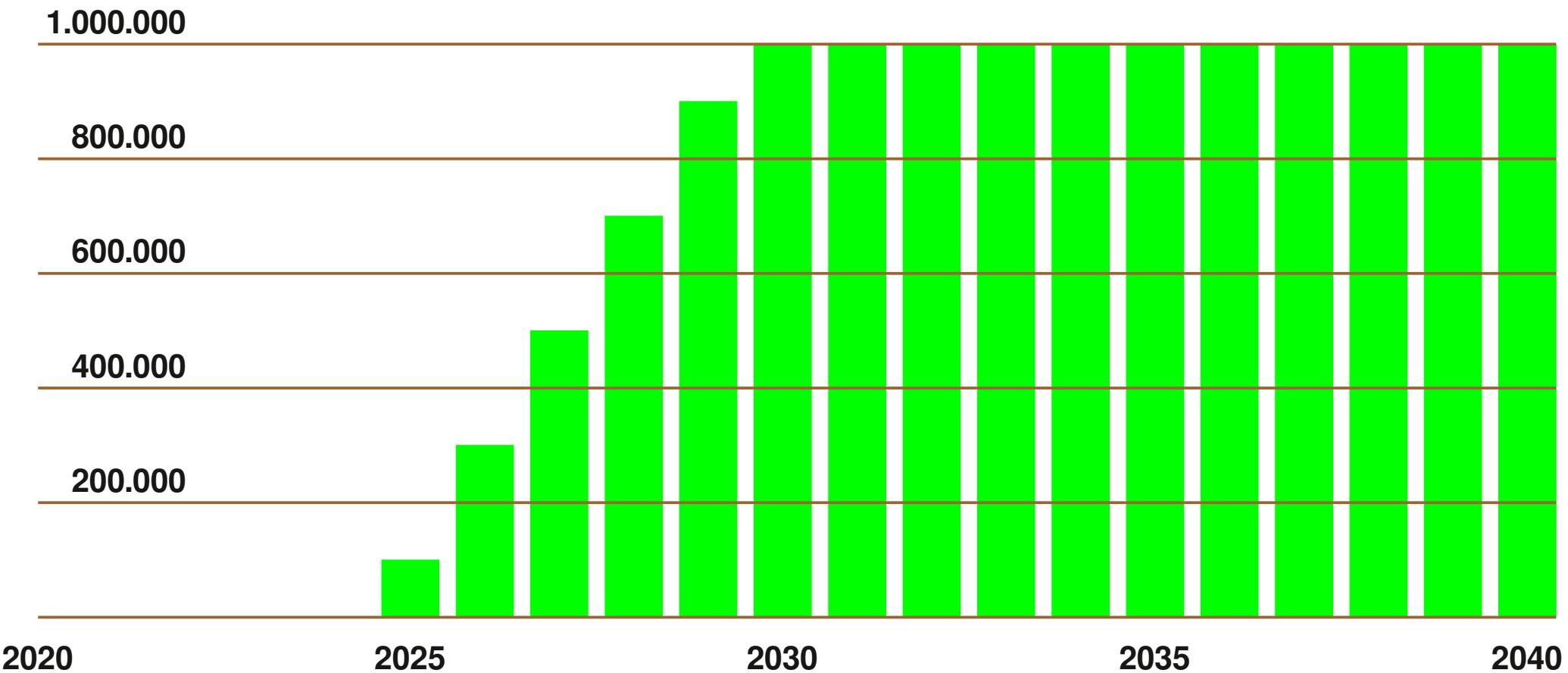
Create possibility: Building land only for CPSH:





Rethinking the energy transition:

Climate Protection Superiority Houses as the backbone of the energy transition:



By 2040: 12.5 million houses, 500 GW photovoltaics, 1000 GWh batteries, 90 km² Vertical Gardening Aeroponic. All privately financed by people who want to live better and cheaper. The only government effort: loan guarantees and zoning CPSH building land.

Side effect 1: Housing costs decrease

Mr. John Doe

Mad prices lane 55

D-88888 high price city

Due to increased costs and our immeasurable greed, we hereby increase your rent from €900 to €930 per month as of January 1, 2030,

with kind regards

Rip-off limited

Speculator road 11

D-88888 High price city

Rip-off limited

Speculator street 11

D-88888 High Price City

Due to my relocation to the new CPSH residential area, I hereby cancel your substandard apartment.

In addition to insane rent, you also demand insane operating costs for your not even thermally renovated hovel.

I wish you good luck in finding a new tenant who is willing to pay only 500 € rent,

with kind regards

John Doe

Irre prices lane 55

D-88888 High price city

Side effect 2: Enable UBI

enable
UBI

Side effect 3: Reform of food production

Water
shortage

Phosphorus
shortage

Nitrate

Chemistry





The Price Lie: Rethinking the Energy Transition!



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