



Kenmark International

Green Energy Part 1

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**This presentation is
Based
On Scientific Facts**

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Green energy Agenda - Climate

- ✓ Climate effect on Earth
- ✓ Is CO2 bad for our earth?
- ✓ What has the effect been on increase of CO2?
- ✓ USA energy productions

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Green energy Back ground – Ice age

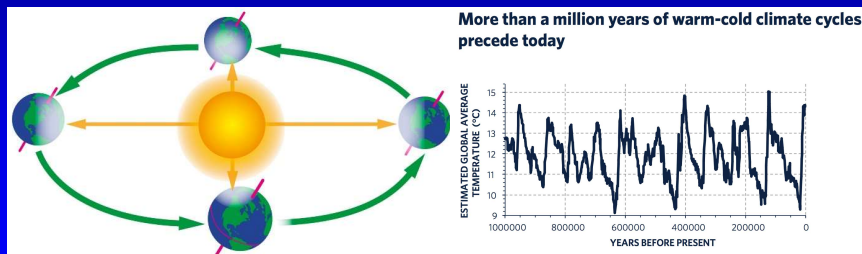
- ✓ Ice age:
 - ✓ Minimum 5 Ice ages
 - ✓ Lasted about 2.6 million years
 - ✓ Next in 1500 years
 - ✓ Mini hit 2020 will last 30 years

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Green energy Back ground - Warming

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- ✓ Global warming:
 - ✓ Hottest recorded July 10th 1913 Russia 134F
- ✓ Causes:
 1. Energy from the sun varies
 2. Gases: Water vapor, CO2 and Methane



Earth's Orbit will affect climate

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Green Energy The top five Co2 emitters:

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1. China (27% or 9.6GtCO₂)
2. US (15%)
3. EU28 (10%)
4. India (7%)
5. **India and China's Green House Gas (GHG)** contributions have been the ones **increasing** the most, by **6% and 5%** respectively, followed by the **US with 2.5% growth**. Europe, on the other hand, is expected to have decreased its GHG emissions by 0.7%.

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- ❖ **How much GHG** are actually released worldwide? And which are its **main sources**?
- ❖ Has **humankind** been successful at reducing the emissions of greenhouse gases?
- ❖ How much harmful is the meat industry and how much do our **cars and plane** journeys pollute?
- ❖ Are **electric cars** really a more eco-friendly option than fossil-fuel powered cars?
- ❖ Let's find all this out.

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The main contributor

1. **25% of carbon** emissions is:
 1. Burning of coal
 2. Natural gas
 3. Oil for electricity and heat.
2. Afterward, **21%** of emissions come from the **industry**, specifically from burning fossil fuels on facilities for energy.
3. **Agriculture, forestry** and other land use own **24%** of global emissions, mostly due to the cultivation of crops and livestock and deforestation.
4. **Other 30%**

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1. **Sea level** continues to **rise** at a rate of about one-eighth of an inch per year. ($1/8^{\text{th}}$ "
2. The two major causes of global **sea level rise**:
 1. Thermal expansion caused by warming of the **ocean** (since water expands as it warms)
 2. Increased **melting** of land-based ice, such as glaciers and ice sheets.

BUT:
NASA Vegetation Index: Globe Continues Rapid Greening Trend
Sahara Alone Shrinks 700,000 Sq Km!

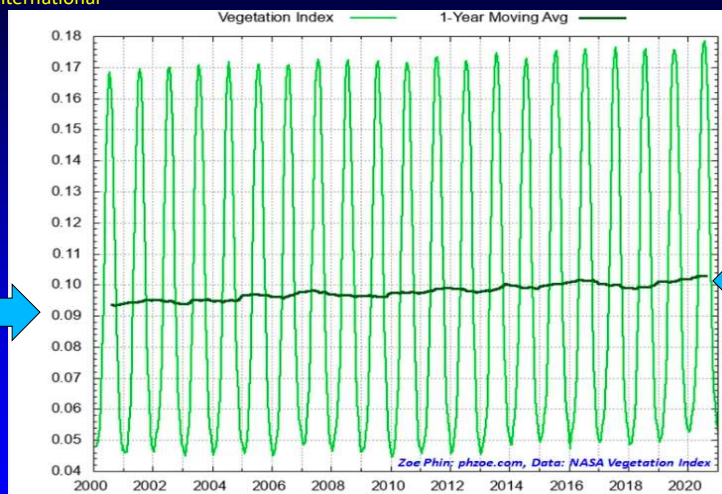
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Looking at NASA's Vegetation Index data, the news is good: the globe has greened 10% so far this century.

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- ❖ That's good news it means **greater crop production** area and **forest expansion**.
- ❖ Many "experts claim to be a huge problem (CO2) is in fact one of the major reasons **behind the greening**.
- ❖ **Zoe Phin** has a **post** on this topic at her site which really warrants attention.
- ❖ **Global Vegetation Index surges 10% in 20 years**

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- ❖ Zoe downloaded all of **NASA's available 16-day-increment** vegetation data from **2000 to 2021**.
- ❖ *NASA's Vegetation Index has risen from 0.0936 to 0.1029, which is a **9.94% increase**.*
- ❖ **10% global greening in 20 years!**
- ❖ We are **incredibly fortunate!**"
- ❖ "I just wish everyone felt that way. But you know not everyone does.
- ❖ To the extent that humans **enhance global greening** is precisely what **social parasites want to tax and regulate**. No good deed goes unpunished."

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- ❖ **Sahara shrinking and becoming greener**
- ❖ A [study by Venter et al \(2018\)](#) found the **Sahara** desert had **shrunk by 8%** over the previous three decades.
- ❖ The Sahara covers a vast area of some **9.2 million square kilometers**.
- ❖ Eight percent means **700,000 square kilometers** more area that's **become green** an area almost as big as **Germany and France combined**.
- ❖ So in terms of vegetation, the planet probably hasn't had it **this nice in about 1000 years**.

❖ **70% is driven by CO2**

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- ❖ CO2 is NOT a problem as a greenhouse gas.
- ❖ Last August, NTZ weekly contributor [Kenneth Richard](#) [cited](#) a study by [Haverd et al, 2020](#)) wrote that “about **70% of the Earth's post-1980s vegetative greening trend has been driven by CO2 fertilization**” and that this greening will offset **17 years (equivalent) of the Earth's anthropogenic CO2 emissions by 2100**.

There are many more studies underpinning the **good news of the greening planet** – thanks in large part to mankind. It's not as bad as the crybaby activists and media depict it to be. **Not even close.**

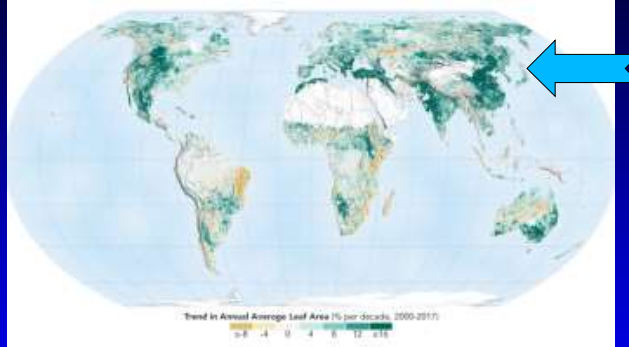
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[Human Activity in China and India Dominates the Greening of Earth, NASA Study Shows](#)
February 14, 2020

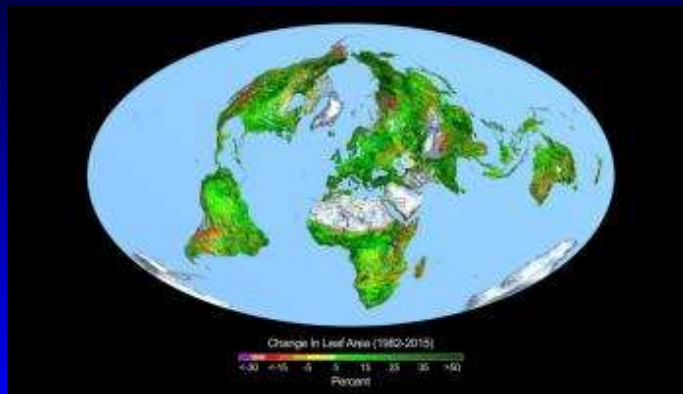
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[NASA: Carbon dioxide fertilization greening Earth, study finds](#)
April 27, 2016 "Positive effects of CO2"

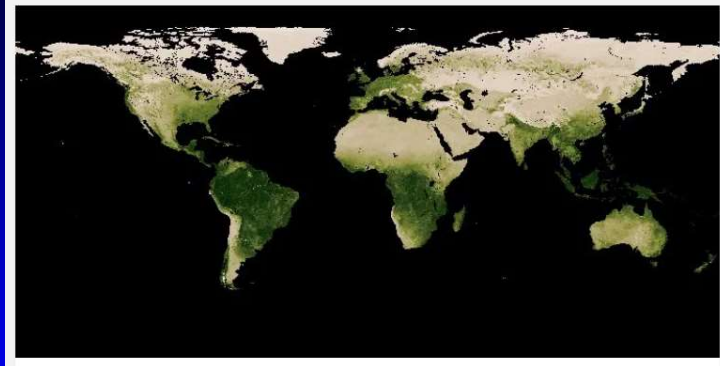
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Tag: NASA Vegetation Index

GLOBAL GREENING

NASA Vegetation Index: Globe Continues Rapid Greening Trend,
Sahara Alone Shrinks 700,000 Sq Km!

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Crude oil comes from

Oil formed from the remains of marine plants and animals that lived millions of years ago, even before the **dinosaurs**. The tiny organisms fell to the bottom of the sea.

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USA Energy Production

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Total US production 4,127 Billion Kilowatt hours

U.S. utility-scale electricity generation by source, amount, and share of total in 2019¹

Energy source	Billion kWh	Share of total
Total - all sources	4,127	
Fossil fuels (total)	2,582	62.6%
Natural Gas	1,586	38.4%
Coal	965	23.4%
Petroleum (total)	18	0.4%
Petroleum liquids	12	0.3%
Petroleum coke	7	0.2%
Other gases	13	0.3%
Nuclear	809	19.6%

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Energy - Renewables

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Renewables (total)	728	17.6%
Wind	295	7.1%
Hydropower	288	7.0%
Solar	72	1.7%
Photovoltaic	69	1.7%
Solar thermal	3	0.1%
Biomass (total)	58	1.4%
Wood	39	0.9%
Landfill gas	10	0.3%
Municipal solid waste (biogenic)	6	0.1%
Other biomass waste	2	0.1%
Geothermal	15	0.4%
Pumped storage hydropower ³	-5	-0.1%
Other sources ³	13	0.3%

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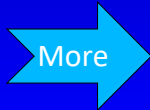
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Green Energy Fossil fuel

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Five of the most common uses of oil.

1. Fuel. Oil as fuel is the most well-known use of petroleum because it is easily recognizable.
2. Plastics. (Cars use on average 100 pounds of plastic)
3. Clothing.
4. Medical.
5. Toiletries.
6. Gum.



The many uses of oil and gas



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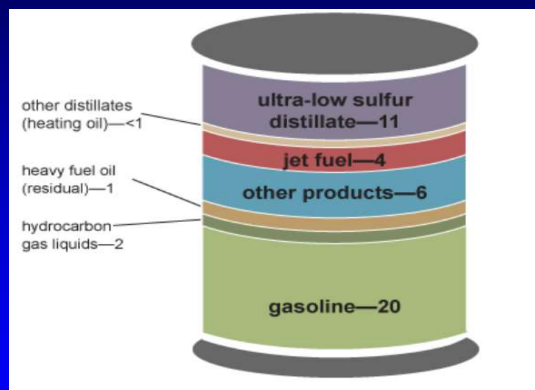
Products made from crude oil

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(Some of 6000 items)

List of them at this link:

<https://www.ranken-energy.com/index.php/products-made-from-petroleum/>



- Ethyl
- Gasoline
- Diesel fuel
- Heating oil
- Jet fuel
- Petrochemical
- Feedstocks
- Waxes
- Lubricating oils
- Asphalt.

Feedstocks is used for making plastics, chemicals, synthetic rubber, etc

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**The more you know
You release how little you know**

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Next Month

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Green energy Agenda - Power

- ✓ Solar panels
- ✓ Wind mills
- ✓ Tide
- ✓ Nuclear plants
- ✓ Fossil Plants
- ✓ Problem with Green energy
- ✓ Texas power outage problem and why

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Questions

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