

# CLIMATE CHANGE

**Fossil fuels served a purpose.**  
But, since the mid 1900's we've known about the consequences of fossil fuels.

## COAL



A dirty black rock. The US consumes **917 million** tons of it annually.

## CRUDE OIL



A greasy black liquid of hydrocarbons, compounds & metal. The top 5 oil companies made **\$137 Billion** last year.

## NATURAL GAS



A flammable gas made of methane and other hydrocarbons. It takes **1-8 million** gallons of fresh water to complete a fracking job. (Clean water happens to be another one of the world's top concerns)

## Harmful effects of Fossil fuels include:



Climate Change



CO<sub>2</sub> Levels



Health issues



Illnesses & Death



Pollution



Water consumption /waste



Methane



### IMPORTANT STATS:

**91%** CO<sub>2</sub> Emissions tied to Fossil Fuels

**50%** Percentage of Ice Cap missing



**\$0**

Price fossil fuel companies pay for polluting our environment

**Renewable energy technologies** are now generating electricity capable of meeting many of our needs.

## SOLAR ENERGY

Conversion of sunlight to energy. 18 days of sunshine contain the same amount of energy that is contained in all the fossil fuels on earth yet big oil spends **\$100 million** a day exploring for new fossil fuels.



## WIND

Harnessing the energy of the wind using propellers. **5.7%** of US installed electric generating capacity today comes from wind.



## HYDRO

Energy created by flowing water. Clean energy with no carbon emissions.



## Positive effects of Renewable energy include:

Clean/Environmentally friendly, FREE and in abundant supply, Compelling impact investment opportunity, conserves water, is distributive and modular, job creation, and repurpose of brownfields.



### IMPORTANT STATS:



**\$0**

Cost of drilling and exploring for Sunlight

**30%**

Federal income tax credit for solar projects



**0**

CO<sub>2</sub> and other toxins emitted into air by solar and wind energy

**40%**

Percentage of US electricity that can be created using rooftop solar

## Get involved



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